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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 19th December 1987

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REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent :

Shri R. Murali Dharan,
244-D, J&K Block,
Dilshad Garden,
Shahdra,
DELHI-110 032.

CORRIGENDA

In the Gazette of India Part III, Section 2 dated the 11th July 1987 under the heading "PATENTS SEALED" delete 157912.

In the Gazette of India a Part III, Section 2 dated the 8th August 1987 under the heading "PATENTS SEALED" delete 158064.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dated shown in the cresecent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 12th November, 1987

889/Cal/87. American Cynamid Company. Safened pesticidal dispersion resin compositions for controlling soil borne pests and process for the preparation thereof.

890/Cal/87. American Cynamid Company. Safened sorptive granular pesticidal resin compositions for controlling soil borne pests and process for the preparation thereof.

891/Cal/87. American Cynamid Company. Safened pesticidal resin compositions for controlling soil borne pests and process for the prepgration thereof.

892/Cal/87. American Cynamid Company. Resin-coated non-sorptive, granular, pesticidal compositions and method for the preparation thereof.

893/Cal/87. Bar-Ilan University. Antioxidant compositions and methods.

894/Cal/87. McDermott Incorporated. Internal flash removal unit.

The 13th November, 1987

895/Cal/87. E.I. Du Pont De Nemours and Company. Non-electric detonators without a percussion element.

896/Cal/87. Attivita Industriali Triestine S.p.A. Cast iron sleeper with built in anchorages (Hooks) for rail track.

897/Cal/87. The Babcock & Wilcox Company. Advanced steam temperature control.

The 16th November, 1987

898/Cal/87. Milton Iyan Ross. Moulding apparatus for producing an encapsulated electronic circuit device and method for encapsulating an assembly including an electronic circuit. [Divisional dated 23rd May, 1985].

899/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to air control for combustor.

900/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to combustor drum hole shields.

The 17th November, 1987

901/Cal/87. Institut Problem Modelirovania V Energetike Akademii Nauk Ukrainskoi SSR.

The 18th November, 1987

902/Cal/87. Beloit Corporation. Blade Coater.

903/Cal/87. Arthur Ernest Bishop. Apparatus for imprinting of edges of grooves in valve cores for rotary valves for use in power steering gear. [Divisional dated 3rd ctober, 1985].

(Conventional dated 4th October, 1984) Australia.

904/Cal/87. R. J. Reynolds Tobacco Compnay. Smoking article with improved aerosol forming substrate.

APPLICATIONS FOR PATENTS FIELD IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND LOWER PAREL (WEST) BOMBAY-400 013

The 1st October, 1987

308/Bom/87. Hindustan Lever Ltd. Oral composition, The 2nd October, 1986 Great Britain.

309/Bom/87. Gujarat State Fertilizers Company Limited A thermoplastic composition based on nylon 6.

The 5th October, 1987

310/Bom/87. Four Eyes Research Pvt. Ltd. Process for removing/Eliminating organics causing biological oxygen demand from ethanol distillery effluent called spent wash.

311/Bom/87. Clear Plastics Pvt. Ltd. Process for the manufacture of steam/vapour inhalator to get relief from nasal congestion and cough due to cold, medicine like vicks vapourub is applied over the nose and inside the nassals.

The 7th October 1987

312/Bom/87. Hocchst India Limited. A process for the isolation of a new strain of streptomyces species culture No. HJL Y-84, 36210, its variants and mutants, and the production of a novel antibiotic complex called cammunocin therefrom.

313/Bom/87. Ashok Kumar Gupta. Solar Snow Heater.

The 8th October, 1987

314/Bom/87. S. B. Parhate Parhate's vehicles wobbling controller.

The 9th October, 1987

315/Bom/87. R. S. Bang. Jack Stand for Scooter.

316/Bom/87. Vijay Yeshwant Moghe. An improved method or recoating a strip surface in a continuous hot dipped metal coating process.

The 12th October, 1987

317/Bom/87. C. S. Shah. Aeration of waste water on shock waves.

318/Bom/87. Y. C. Yelgukar. Improvements in or relating to a folding chair.

319/Bom/87. S. D. Tanksale. Fly Ash Arrester for boilers.

The 14th October, 1987

320/Bom/87. A. K. Kantawala. Improvements in the automatic star delta starter/circuit for three phase electric induction motors.

321/Bom/87. A. K. Kantawala. Improvements in the automatic star deltan strater/circuit for three phase electric induction motors.

The 15th November, 1987

322/Bom/87. Paramount Sinters Pvt. Ltd. A novel process for the reduction roasting of manganese ores and a device therefor.

323/Bom/87. V. M. Sukhdani. An improved adjustable tool holder for a machine tool.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 26th October, 1987

771/Mas/87. ASEA STAL AB. Method of operating a gas turbine unit.

772/Mas/87. Pumptech M.V. Process for selectively treating a subterranean formation using coiled tubing without affecting or being affected by the two turbine unit.

773/Mas/87. Minnesota Mining and Manufacturing Company. Roadway sign.

The 27th October, 1987

774/Mas/87. G. Madhava Rao. High power vacuum pump.

775/Mas/87. Atochem. Aluminium chloride granules and process for obtaining them.

776/Mas/87. Enzyme Bio-systems Ltd. Reduced-stability alpha-amylasse and process for its production.

777/Mas/87. Taprogge Gesellschaft mbH. Device for the mechanical cleansing of fluids.

778/Mas/87. SMS Schloemann-Siemag Aktiengesellschaft. Strip casting unit with downstream multi-stand continuous rolling mill.

779/Mas/87. Societe Electrodes & Refractories Savoie (SERS). Protective coating for the carrier bars of prebaked anodes and the emerging part of said anodes.

The 28th October, 1987

780/Mas/87. K.A. Ranghachary. Giant electronic digital dock.

781/Mas/87. A.H. Robins Company Incorporated. Process for the preparation of aromatic-1, 4-Oxazepinones and its derivatives. (Divisional to Patent Application No. 680/Mas/85).

782/Mas/87. Jaromir Vaclav Drazil. Connector. (October 28, 1986; United Kingdom).

783/Mas/87. Martin Engineering Company. Conveyor belt cleaner. (Decembr 12, 1986; Canada).

The 29th October, 1987

784/Mas/87. Molins PLC. Cigarette making machine weight control (October 29, 1986; United Kingdom).

The 30th October, 1987

785/Mas/87. Tihrumalai Anandampillai Vijayan. An improved washing machine.

786/Mas/87. Ciba-Geigy AG. Anionic cyclodiylide compounds, their preparation and use in washing agents as shading dyes.

787/Mas/87. Merlin Gerin. Static converter comprising a protective filter against high-frequency disturbances.

ALTERATION OF DATE

161540.—Ante dated to 24th May, 1984. (172/Mas/86).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person intersted in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 108B1 & C2 [XXXIII(5)] 161501

Int. Class : C 21b-13/14, 1/08.

AN IMPROVED METHOD FOR THE PRODUCTION OF LIQUID IRON.

Applicant : NEW ZEALAND STEEL LIMITED, A NEW ZEALAND COMPANY, OF GLENBROOK, SOUTH AUCKLAND, NEW ZEALAND.

Inventors : CECIL PETER BATES & TERRENCE WILLIAM SHANNON.

Application for Patent No. 634/Del/1983 filed on 13th September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 claims

An improved method of producing liquid iron which comprises melting sponge iron in an electric melter characterised in that an iron bearing material wherein about 60% (by weight) of the material is between 106 microns and 212 micron in size is subjected to reduction to form a highly reduced sponge iron having a degree of metallisation in excess of 60% and said highly reduced sponge iron is transferred to the melter in one or more vessels, substantially in the absence of oxygen, and at a temperature of between 800°C and 1000°C.

(Complete specification 36 pages Drawing 3 sheets).

CLASS : 151 G. 161502

Int. Class : F161 1/00.

PIPE COUPLING

Applicant : O'DONNELL & ASSOCIATES, INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, U.S.A., OF 241 CURRY HOLLOW ROAD, PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : JAN SYLVESTER POROWSKI & WILLIAM JAMES O'DONNELL.

Application for Patent No. 773/Del/84 filed on 5th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 claims

A pipe coupling comprising a first pair of rings facing each other axially, with the inner diameter of each ring at the outer face being smaller than the inner diameter of each ring at the inner face, each of said first pair of rings com-

prising at least two circumferential parts, means to restrain movement of facing circumferential parts outwardly from each other, at least one second ring comprised of at least two circumferential parts connected to each other, outwardly surrounding said first pair of rings, and constraining outward radial movement of said first pair of rings.

Compl. Specn 6 pages. Drg. 1 sheet.

CLASS : 103. 161503

Int. Class : C23f 11/00.

A METHOD OF PURIFYING N-METHYL-2-PYRROLIDINE SOLVENT.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA, CARRYING ON BUSINESS AS A COMPANY FOR THE HOLDING OF PATENTS AND GRANTING LICENSES THEREUDER. AND TECHNICAL DEVELOPMENT AND RESEARCH WORK AT 180 PARK AVENUE, FLORHAM PARK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : ROY VALERY COMEAUX, MILTON DALE LEIGHTON AND DOUGLAS GILES RYAN.

Application for Patent No. 791/Del/81 filed on 10th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 claims

A method of purifying N-methyl-2-pyrrolidine (NMP) solvent which comprises contacting N-methyl-2-pyrrolidine solvent stream with one or more sacrificial metals of the kind such as herein described to produce salts of said metals with the acid content of said stream and removing the salts by any known method.

Compl. Specn. 7 pages. Drgs. 2 sheets.

CLASS : 39 O. 161504

Int. Class : Co1b 33/32.

"AN IMPROVED PROCESS FOR THE MANUFACTURE OF SODIUM SILICATE".

Applicant : DCM Limited, an Indian Company registered under the Indian Companies Act 1881, Kanchanjunga Building, Barakhamba Road, New Delhi, Delhi State, India.

Inventors : RAKESH BAKSHI, ARAGULA KRISHNA RAO AND JITENDRA PRAKASH KAPUR.

Application for patent No. 805/Del/1984 filed on 16th October 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

An improved process for the manufacture of sodium silicate which comprises in heating a reaction mixture consisting of caustic soda, water and silicious material such as quartz or sand, characterized in that said step of heating is carried out under pressure of 60 to 150 psi and agitation, cooling the reaction product to allow the unreacted reactants to settle and removing the supernatent liquor consisting of sodium silicate.

(Complete specification 7 pages).

CLASS : 206E. 161505

Int. Class : G11c 9/00.

"APPARATUS FOR COMMUNICATING CODED BINARY DATA BETWEEN STATIONS OF COMMUNICATIONS SYSTEM".

Applicant : GENERAL SIGNAL CORPORATION, a corporation organised under the laws of the State of New York, U.S.A., of High Ridge Park-Box 10010, Stamford, Connecticut 06904, United States of America.

Inventors : ROBERT JOHN ESTERLING, CLARENCE LAMER FREED & EDWARD LEONHARDT WEISS.

Application for patent No. 807/Del/84 filed on 17th October 1984.

Appropriate office for opposition proceedings (Rule 5, Patent, Rules 1972) Patent Office Branch, New Delhi-110005.

2 Claims

Apparatus for communicating coded binary data between stations of a communications system having a predetermined bit time rate so as to provide for easy recognition of the data in the presence of noise signals comprising :

a clock oscillator (U2, Fig. 4A) for providing a baseband frequency (2C), a frequency double said baseband frequency (4C), and another frequency (C) which is half of said baseband frequency :

means for coding transmission of the data, which means provides a prefix counter (U3, Fig. 4AO) connected to the output of said clock source for prefixing the data with a double baseband frequency, a onebit time off period counter (U22, Fig. 4A) connected to the output of said clock soucre to provide a bit time off period, and a gate (U9-6, Fig. 4E) to key said baseband frequency to provide a data bit signal of two cycles at said baseband frequency with a particular beginning phase to represent data of one state and another gate (U9-3, Fig. 4F) to key said half baseband frequency to provide a data bit signal of one cycle at said half baseband frequency with the same beginning phase to represent data of the other state, and a gate (U11-2, Fig. 4D) responsive to completion of data transmission to produce a suffix consisting of a period of several bit times having a waveform different from that representing either said one or said other state; and

means (U40-1 and U41-15, Fig. 5B) for decoding transmitted data by sampling the level of the waveform of said data stream at the same part of each quarter of each bit time whereby the sampled levels for the waveforms representing the different data states are different from each other and the sampled levels for suffix waveform or spurious noise related waveforms are different from those of either data state.

(Complete specification 25 pages Drawing 8 sheets)

CLASS : 182C. 161506

Int. Class : C13f 1/02.

"A VACUUM PAN".

Applicant : BHUSHAN LAL MITTAL of 12, Avas Vikas, Civil Lines Moradabad-244001, India, an Indian national.

Inventor : BHUSHAN LAL MITTAL.

Application for patent No 828/Del/84 filed on 25th October 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(5 Claims)

A vacuum pan comprising a pan with a rotatable hollow shaft disposed therein, said hollow shaft having an inlet connected to a steam and/or vapour source, a heat exchanger mounctd on said shaft in flow communication with said hollow shaft such that steam and/or vapour from said hollow shaft flows into said heat exchanger, a coaxial pipe disposed within said hollow shaft, said coaxial pipe being in flow communication with said heat exchanger for discharge of condensate said pan haying at least one inlet for introduction of massecuite and an outlet for discharge of the liquor.

(Complete specification 9 pages Drawing 1 sheet)

CLASS : 107 F. 161507

Int. Class : HO2p 7/00, 5/00 & F02d 31/00.

"DEVICE FOR LIMITING THE SPEED OF INTERNAL COMBUSTION ENGINES".

Applicant : PIAGGIO & C.Sp.A., a company organised under law of the Italian Republic of Via Antonio Cecchi 6, Genua, Italy.

Inventor : LIVIO BENVENUTI.

Application for patent No. 877/Del/84 filed on 19th November 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(3 Claims)

A device for limiting the speed of an internal combustion engine having an electronic ignition circuit, comprising : an alternating current generator driven by the rotation of the engine, said generator having a winding coil for supplying a voltage to the electronic ignition circuit and a pickup winding for controlling the sparking of the electronic ignition circuit; characterised by a speed limiting circuit having a first capacitor, a first resistor and a first rectifying diode, one terminal of said first capacitor connected to said first diode, other terminal of said first capacitor connected to said winding coil, one side of said first resistor connected to said first diode, other side of said first resistor being connected to ground, a second capacitor having one side thereof connected to said first diode, other side of said second capacitor being connected to ground, a second resistor having one side thereof connected to said first diode, a Zener diode connected to the other side of said second resistor, a third resistor having one side thereof connected to said Zener diode, other side of said third resistor being connected to ground, a controlled diode SCR having a grid connected to said Zener diode, said SCR also being connected to ground, a second rectifying diode connected to said SCR and said electronic ignition circuit, said pickup winding being connected intermediate said second rectifying diode and said SCR, whereby the voltage generated by the winding coil feeds said electronic ignition circuit and is processed through said speed limiting circuit so as to allow the feeding of the signal from said pickup winding through said second certifying diode and into said electronic ignition circuit when the rotation of the engine is below a preset threshold magnitude and through said SCR to ground whenever said voltage generated by the winding coil exceeds the present threshold magnitude.

(Complete specification 7 pages).

CLASS : 9D. 161508

Int. Class : C22c 39/26.

PROCESS FOR PRODUCING STEEL ALLOY.

Applicant : ARMCO INC., a corporation of the State of Ohio of 703 Curtis Street, Middletown, OHIO, U.S.A.

Inventors : WILLIAM JOSEPH SCHUMACHER AND HARRY TANCZYN.

Application for Patent No. 939/Del/84 filed on 13th December 1984.

Appropriate office for opposition proceedings (Rule, 4 Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 6)

A process for producing steel alloy having high tensile strength, metal-to-metal wear resistance, and oxidation resistance, comprising the step of subjecting to conventional alloying method in weight percent, 1.0% maximum carbon, from 10% to 16% manganese, 0.07% maximum phosphorus, 0.1% maximum sulfur, 4% to 6% silicon 4% to 6% chromium, 4% to 6% nickel, 0.05% maximum nitrogen, and balance essentially iron.

(omplete Specification 22 Pages).

CLASS : 32F,(6). 161509

Int. Class : C07d 85/00.

"A PROCESS FOR PREPARING A 2-OXINDOLE-1-CARBOXAMIDE COMPOUNDS."

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

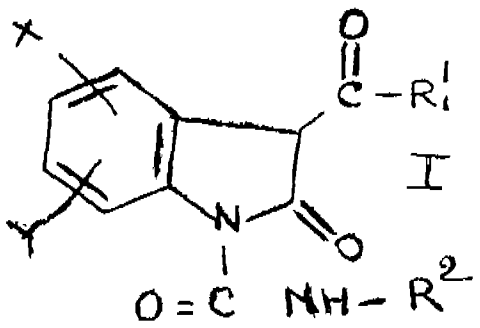
Inventor : SAUL BERNARD KADIN.

Application for Patent No. 288/Del/85 filed on 8th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 claims

A process for preparing a 2- exindole-1-carboxamide compound of the formula I

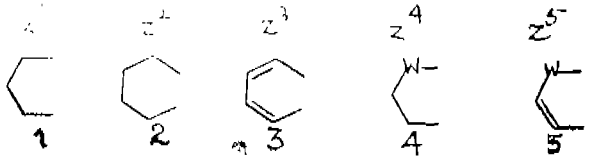


and a pharmaceutically-acceptable salt thereof; wherein

X is hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbons, cycloalkyl having 3 to 7 carbons, alkoxy having 1 to 4 carbons, alkylthio having 1 to 4 carbons, trifluoromethyl, alkylsulfinyl having 1 to 4 carbons, alkylsulfonyl having 1 to 4 carbons, nitro, phenyl, alkanoyl having 2 to 4 carbons, benozyl, thenoyl, alkanamido having 2 to 4 carbons, benzamide or N, N-dialkylsulfamoyl having to 1 to 3 carbons in each of said alkyls, and Y is hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbons, cycloalkyl having 3 to 7 carbons, alkoxy having 1 to 4 carbons, alkylthio having 1 to 4 carbons or trifluoromethyl;

or X and Y when taken together are a 4, 5-, 5, 6- or 6-7 methylnedioxy group or a 4, 5-, 5,6- or 6,7-ethylenedioxy group;

or X and Y when taken together and when attached to adjacent carbon atoms from a divalent radical Z, wherein Z is selected from the group consisting of formula 1 to 5

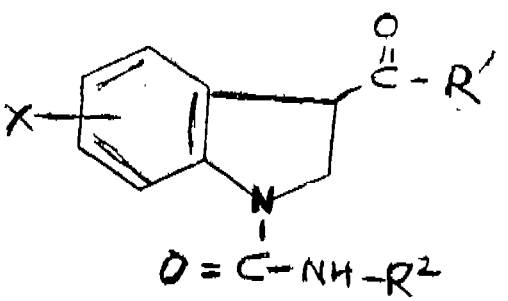


wherein W is oxygen or sulfur;

R^1 is alkyl having 1 to 6 carbons, cycloalkyl having 3 to 7 carbons, cycloalkenyl having 4 to 7 carbons, phenyl, substituted phenyl, phenylalkyl having 1 to 3 carbons in said alkyl, (substituted phenyl) alkyl having 1 to 3 carbons in said alkyl, phenoxyalkyl having 1 to 3 carbons in said alkyl, phenoxyalkyl having 1 to 3 carbons in said alkyl, phenoxyalkyl having 1 to 3 carbons in said alkyl, (substituted phenoxy) alkyl having 1 to 3 carbons in said alkyl, (thiophenoxy) alkyl having 1 to 3 carbons in said alkyl, naphthyl, bicyclo (2.2.1) heptan-2-yl, bicyclo (2.2.1) hept-5-en-2-yl or - (CH_n)n-QR°;

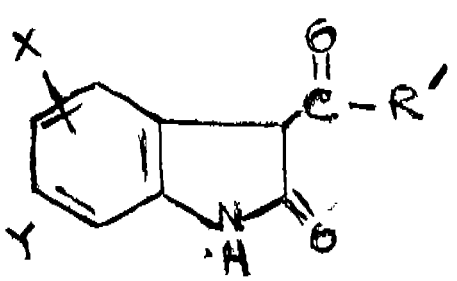
wherein th substituent on said substituted phenyl, said (substituted phenyl) alkyl and said (substituted phenoxy) alkyl is fluoro, chloro, brome, ALKYL HAVING 1 to 4 carbons, alkoxy having 1 to 4 carbons or trifluoromethyl; n is zero, 1 or 2; Q is a divalent radical derived from a compound selected from furn, thiophene, pyrrole, pyrazole, imidazole, thiazole, isothiazole, oxazole, isoxazole, 1,2, 3-thiadiazole, 1, 3, 4- thiadiazole, 1,2,5-thiadiazole, tetrahydrofuran, tetrahydrothiophene, tetrahydropyran, tetrahydrothipyran pyridine, pyrimidine, pyrazone, benzo(b) furan and benzo (b) thiophene; and R° is hydrogen or alkyl having 1 to 3 carbons;

and R^2 is alkyl having from 1 to 6 carbons, cycloalkyl having from 3 to 7 carbons, benzyl furyl, thienyl pyridyl or a group of the formula 6



(3)

wherein R^3 and R^4 are each hydrogen, fluro, chloro, alkyl having 1 to 4 carbons, alkoxy having 1 to 4 carbons or trifluoromethyl; chaarcterised by reacting a compound of the formula IV



(4)

wherein X, Y and R^1 have the means de fined above with an isocyanate of the formula R^2-N-C-O wherein R^2 has the meaning defined above in an inert solvent such as herein described and converting in any known method of resulting componud to its pharmaceutically acceptable salt thereof.

Coml. Specn. 60 pages. Drgs. 4 sheets.

CLASS : 145 C. 161510

Int. Class : B 29 j—5/04.

A PROCESS FOR MANUFACTURING PARTICLE BOARD OF DISTRIBUTED DENSITIES.

Applicant : HENRY THOMSON—BRITISH NATIONAL, C/O SITAPUR PLYWOOD MANUFACTURERS LTD., P.O. BOX NO. 6, SITALUR-261 001, U.P. (INDIA).

Inventor : APPLICANT IS THE INVENTOR.

Application for Patent No. 335/DEL/1985 filed on 19 Apr 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 claims

A process fo rmanufacturing particle board of distributed bulk densities comprising separation of fibres/particles from lignocellulosic materials like basgasse and wood, segregation of said fibres/particles into groups of varying length, preparation of meals of varying bulk density by mixing said group of fibres/particles with resins like phenol formaldehyde and additives like wax, fabrication of mattresses by applying said meals of varying bulk density, pressing said mattresses under heat to obtain boards of required thicknesses, curing, trimming and finishing of the compressed boards to make panels of required dimensions, characterised in that the meals of low bulk density made from said fibres/particles of long length groups are used in the core region, those of intermediate bulk density made from said fibres/particles of intermediate length groups are used in the region surrounding said core region and those of high bulk density made from said fibres/particles of short length groups used for forming the two outer surfaces, and that the sections demarcating said core and surrounding regions of the boards are of non-linear and zig-zag contour.

Compl. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 140-B_0. 161511

Int. Cl. : E 21 b 41/00.

WORKING SHIP FOR TRANSFERRING LARGE OFFSHORE STRUCTURES.

Applicant : HITACHI ZOSEN CORPORATION, OF 6-14, EDOBORI 1-CHOME, NISHI-KU, OSAKA, JAPAN.

Inventors : 1. TERUKAZU INOUE, 2. MASAO ARAKI, 3. MASAHARU YAMAMOTO, 4. KOJI MISAKI.

Application No. 410/Cal/83 filed April 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

3 claims

A working ship for transferring large offshore structures comprising a plurality of support legs 2 provided at opposite side portions of the hull 1and movable vertically with respect to the hull and lifting means 3 provided at the opposite side portions for moving the support legs 2 upward and downward relative to the hull 1.

Compl. Specn. 9 pages. Drgs. 3 sheets.

CLASS : 70-A & B. 161512

Int. Class : H 01 m 13/08.

METHOD OF FORMING A CATALYTIC MATERIAL FOR USE AS CATHODE FOR EVOLVING HYDROGEN IN ELECTROLYTIC CELL.

Applicant : ENERGY CONVERSION DEVICES, INC. OF 1675 WEST MAPLE ROAD, TROY, MI 48084, UNITED STATES OF AMERICA.

Inventors : 1. STANFORD ROBERT OVSHINSKY, 2. KRISHNA SAPRU, 3. EDMUND LEE YEE.

Application No. 866/Cal/83 filed July 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

21 Claims

A method of forming a catalytic material for use as cathode for evolving hydrogen in the electrolytic cell comprising :

forming a host matrix from at least one transition metal element and substantially simultaneously structurallymodifying said host matrix by the corporating one or more modifier elements, where the modifier element is distinct from the host matrix element, at least one of said modifier elements being a transition element selected from the group consisting of Ti, Mo, Si, La, Ta, Ce, Zn, O, Cr, Nb, Ru, Cu, Fe, V, and Misch-metal, optionally Al, Sr and Ni, whereby the host matrix is structurally modified to provide a catalytic active material disordered throughout the bulk of the catalytic material or in numerous regions of the catalytic material to enhance the catalytic properties of said catalytic material.

Compl. Specn. 40 pages. Drg. Nil.

CLASS : 131-B_3. 161513.

Int. Cl. E 21 b 47/00.

OUTRIGGER ARM DISPLACEMENT MECHANISM.

Applicant : SCHLUMBERGER LIMITED, AT 277 PARK AVENUE, NEW YORK, NEW YORK 10172, U.S.A.

Inventor : 1. ARLEY GENE LEE.

Application No. 953/Cal/83 field July 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A displacement control mechanism, for use in a borehole tool having at least one radially extendable and retractable outrigger arm, for regulating and controlling the axial displacement of the coutrigger arm relative to the tool as the effective extension of the arm from the tool changes, characterized by : securing means for securing the respective ends of the arm to the tool at axially displaced locations, said securing means including means providing for relative axial movement of the ends of the arm in response to increases and decreases in the radial extension thereof, said securing means including guide means for guiding said arm end axial movement and causing corresponding predetermined rotation thereof about the exterior of the tool according and in response to said axial movement, and synchronization means for causing the two ends of the arm to rotate about the tool substantially in unison to synchronize the end rotations of the arm and produce, for each radial extension of the arm, a predetermined rotated arm end position for each end thereof, and corresponding related axial movements and displacements thereof, producing a defined axial displacement of the arm for each radial extension thereof.

Compl. Specn. 11 pages. Drg. 2 sheets.

CLASS. 39-E. 161514.

Int. Cl. B 01 d 53/34, 57/00.

CARBON MONOXIDE DETECTOR.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOS 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA,.

Inventors : (1) ANDRE THOMAS ABROMAITIS, (2) MARION ALVAH KEYES.

Application No. 1147/Cal/83 field September 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A CO detector comprising;

a monochromatic source of IR radiation;

a measuring chamber adapted to receive a gas to be tested for CO;

a reference chamber for receiving a gas;

a reaction chamber connected between said measuring and reference chamber for converting CO to CO_2 and for receiving gas from said measuring chamber and supplying gas which is free of CO to said reference chamber;

said measuring and reference chambers having IR transparent means defining first and second IR radiation paths therethrough alternatively;

beam splitting means associated with said IR source for directing IR radiation along said first and second paths;

an IR detector for detecting IR radiation of said first and second paths after the IR radiation has passed through said measuring and reference chambers respectively and

circuit means connected to said detector for determining a difference between the IR radiation of said first and second paths absorbed in said measuring and reference chambers which difference is a function of the CO concentration of gas supplied to said measuring chamber.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 145-D. 161515.

Int. Cl. D 21 g 9/00.

PAPER BOARD DRYER FELT RUN FOR REMOVAL OF LIQUID OR MOISTURE FROM A TRAVELLING WEB.

Applicant : BELOIT CORPORATION, OF P.O. BOX 350, BELOIT, WISCONSIN 53511, STATE OF DELAWARE, U.S.A.

Invenotr : 1. DONALD ALEXANDER ELY.

Application No. 1479/Cal/83 filed December 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A paper or board dryer felt run for the removal of liquid (which term includes moisture) from a traveling web comprising in combination;

a plurality of rotatably mounted upper dryer drums adapted to be heated to carry a web and evaporate moisture therefrom;

a plurality of rotatably mounted lower dryer drums adapted to be heated to carry the web and evaporate moisture therefrom; said drums positioned to carry the web in a sinous path passing successively between the upper and lower drums with the web wrapping the upper and lower surfaces of the drum respectively;

upper and lower looped felts formed of a previous material accommodating the escape of water vapor from the web and wrapping the web on the upper and lower surfaces of the upper and lower drums respectively;

upper and lower felt rolls for the upper and lower felts respectively with one felt roll between each pair or adjacent drums for the upper drums and for the lower drums; said lower felt rolls positioned to carry the portion of the upper felt between the adjacent lower drums into the spaces between the drums; said upper felt rolls position to carry the portions of the lower felt between adjacent upper drums into the spaces between said upper drums; said felt rolls being formed of perforate roll shells:

glands inside of said roll shelle dividing the shells into a first portion exposed to the oncoming web and a second portion exposed to the offrunning web;

pressure means connected to one of said portions of said glands; and

vacuum means connected to the other of said portions of said glands so that the web is subjected to pressure and vacuum in its travel across the felt roll and the spaces between the drums and the felt rolls are subjected to pressure and vacuum; said felt rolls and drums positioned so that the felt and web runs are arranged to eliminated any open unsupported web runs and the web is automatically transferred between top and bottom dryer felts without subjecting the web to an open unsupported web run.

Compl. Specn. 21 pages. Drg. 1 sheet.

CLASS : 63-I. 161516.

Int. Cl. H02 k 1/00.

APPARATUS FOR AUTOMATICALLY SETTING THE VALUE OF A REFERANCE SIGNAL.

Applicant : FAIRFORD ELECTRONICS LTD., MAYNARD HOUSE, 3, THE PLAINS, TOTNES, DEVON, ENGLAND

Inventors : (1) RAYMOND EDWARD BRISTOW, (2) DAVID CHARLES GROOM, (3) MICHAEL FITZPATRICK.

Application No. 1515/Cal/83 field December 12, 1983.

Convention dated 11th December, 1982 and 22nd December, 1983 (82. 35370 and 82. 36465) both are U.K.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Apparatus for automatically setting thes value of a reference signal determining the phase lag angle to be aimed for by a power factor controller controlling a single or polyphase induction motor, said apparatus comprising :

means for deriving a phase-lag signal indicative of the phase lag between current and voltage in the, or at least one of the, motor windings or phases of the motor supply during operation of the motor,

means for determining repeatedly or continously whether the combination of the phase lag represented by the phase-lag signal and a predetermined amount is less than the phase lag represented by the existing value of said reference signal, and

means for changing the value of the reference signal to that corresponding to the phase lag value of said combination where the latter is determined to be less than the phase lag represented by the previously existing reference signal value.

Compl. Specn. 22 pages. Drg. 4 sheets.

CLASS. 157-A_4; 158-D. 161517.

Int. Cl. B61c 17/00.

A SWITCH MECHANISM MOUNTED ON A VEHICLE FOR USE IN A TRANSPORTATION SYSTEM.

Applicant : REGENTS OF THE UNIVERSITY OF MINNESOTA, 1919 UNIVERSITY AVENUE-5TH FLOOR ST. PAUL, MINNESOTA 55104, U.S.A.

Inventor : 1. J. EDWARD ANDERSON.

Application No. 1587/Cal/83 field December 26, 1983.

Appropriate office for oposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A switch mechanism mounted on a vehicle for use in a transportation system having a wheeled vehicle having an attached support structure, said system having a fixed guideway with diverging switching sections, the switch mechanism comprising :

a first elongated upper switch arm attached in a pivoting relationship to said support structure and having first and second switch wheels rotatably affixed at the ends of said first switch arm, said first and second switch wheels having intersecting axes of rotation, said axes intersecting at an angle of between 10 and 60 degrees;

said first upper switch arm switchable bewteen a first position and a second position, said first position placing said first switch wheel in engaging relation with a first switch channel located within said guideway and said second switch wheel distant from a second switch channel located within said guideway; said second position placing said second switch wheel in engaging relation with said second switch channel and said first switch wheel distant from said first switch channel;

said first position of said upper switch arm causing said vehcile to select a first path at said switching sections within said guideway, and said second position of said upper switch arm causing said vehicle to select a second path at said switching sections, said first upper switch arm having a generally "W" shape, having outer legs with ends and a central inverted "V" portion, said switch wheels affixed to said ends of said outer legs of said "W";

said first arm being attached at the apex of said inverted "V" portion, to said support structure so that a line passing from the point of engagement of said switch wheel with said switch channel through said apex will pass substantially perpendicularly through said switch channel; and

a first elongated lower switch arm affixed in pivoting relation near the midpoint of said first lower switch arm to said support structure below said first upper switch arm, and coupled to said first upper switch by a first slave link affixed to both said first upper and said first lower switch arms.

Compl. Specn. 28 pages. Drg. 4 sheets.

CLASS : 63-I. 161518.

Int. Cl. H 02 k 45/00.

A CONTROL SYSTEM FOR AN ELECTRO-PNEUMATIC CONVERTER

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORIEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1 JANE ELLEN SMITH, 2. ROWLAND EDGER WHITFORD.

Application No. 126/Cal/84 filed February 22, 1984.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Control system for an electro-preumatic converter comprising;

a mechanical servo assembly for providing a variable pneumatic output in response to a movable variable restriction;

motor means for moving said variable restriction of said mechanical servo assembly to vary the pneumatic output therefrom;

means for actuating said motor means in response to a control signal;

means for establishing a set point signal in response to an electrical input signal indicative of desired pneumatic output signal;

means for establishing a feedback signal indicative of an actual pneumatic output signal;

combining means for comparing said set point signal with said feedback signal to establish a control signal to said actuating means; and

wherein said motor actuating means and said combining means are powered by a pair of positive voltage sources established by a dual power supply to provide bi-directional rotation of said motor means without a negative power supply.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 94-H & I. 161519.

Int. Cl. 3 23 n 1/00 + B 02 c 4/00 + C 13 d 1/00.

A MILL ROLL FOR A LIQUID EXTRACTION SYSTEM.

Applicant & Inventor : JEAN BOUVET, OF 1319 BUTTERFIELD ROAD, SAN ANSELMO, MARIN COUNTY, CALIFORNIA, 94960, UNITED STATES OF AMERICA.

Application No. 624/Cal/84 filed September 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A mill roll for a liquid extracting system for extracting juice e.g. from sugarcane comprising;

a generally cylindrical, rigid body;

a plurality of circumferential around the outer surface of said body;

a plurality of juice flow channels within and around said body below the said outer surface thereof and opening from at least one end thereof;

said channels being of spiral configuration; and a plurality of generally radial holes in said body forming flow ducts between said grooves and said channels.

Compl. Specn. 8 pages. Drg. 2 sheets.

CLASS : 33-A. 161520.

Int. Cl. B 22 d 11/00.

APPARATUS FOR CLOSING OFF THE SIDES OF A SHAPING CAVITY OF SUBSTANTIALLY RECTANGULAR CROSS-SECTION IN A CONTINUOUS CASTING INSTALATION.

Applicant : CONCAST SERVICE UNION AG., OF TODISTRASSE 7, 8027 ZURICH, SWITZERLAND.

Inventor : 1. FRITZ WILLIM.

Application No. 277/Cal/85 filed April 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Apparatus for closing off the sides of a shaping cavity of substantially rectangular cross-section in a continuous casting installation, wherein the shaping cavity consists of two arcuate cooled wide side-walls rotating in the direction in which the strand moves and of two stationary cooled narrow side-walls, and the narrow side-walls engage between the two arcuate wide side-walls, characterized in that the narrow side-walls (10 and 11) of the shaping cavity (12) are thermally insulated in a first portion (14) as seen in the direction (2) in which the strand moves and in a second portion (15) has high thermal conductivity across the entire distance (16) between the wide side-walls (7 and 8), and the second portion (15) is disposed in a substantially parallel part of the shaping cavity between the wide side-walls (7 and 8).

Compl. Specn. 13 pages. Drg. 2 sheets.

CLASS : 195 D & 102 D. 161521.

INT. CLASS : F16k 5/00 & F16k 31/00.

Applicant : ACTUATOR FOR DRIVING THE SHAFT OF A VALVE.

Applicant : APPLICATIONS MECHANIQUES ET-ROBINETTERIE INDUSTRIELLE A.M.R.I., a limited liability Company, of Les Mercuriales, 40, rue Jean-Jaures, 93176 Bangnolet Cedex, France.

Inventor : MAURICE BONAFOUS.

Application for Patent No. 494/Del/84 filed on 18th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims.

An actuator for driving the shaft of a valve comprising;

a casing;

a cylinder connected to the casing;

piston means reciprocable in said cylinder and forming within said cylinder a working chamber for receiving a pressurized-fluid;

accumulator means connected to said casing on an oppsite side thereof from said cylinder, said accumulator means having therein an accumulator chamber;

cylinder rod means attached to said piston means and extending therefrom, the cylinder rod means having a back end portion supported for sliding movement into and out from the accumulator chamber, said cylinder rod means having a through bore for conducting pressurized fluid between the working chamber and the accumulator chamber; and

a distributor suported by the cylinder rod means and extending into the through-bore to control the flow of pressurized fluid therethrough, said distributor having an open position for conducting pressurized fluid between the working chamber and the accumulator chamber and a closed position closing the through-bore; and

(i) a first flow path for conducting fluid through the through-bore, from the working chamber to the accumulator chamber;

(ii) a check valve located in the first flow path and having a first position closing the first flow path and a second position opening the first flow path, the check valve being movable from said first position to said second position when the distributor is in its open position and fluid pressure in the accumulator chamber is below the fluid pressure in the working chamber by at least a preset-amount;

(iii) a second flow path for conducting fluid through the through-bore between the working chamber and the accumulator chamber when the distributor is open;

(iv) a throttling valve located in the second flow path to conduct a restricted fluid flow therethrough and to gradually adjust the pressure in the accumulator chamber when the distributor is open and the check-valve is closed; and

(v) means for moving the distributor between its said open and said closed positions.

(COMPLETE SPECIFICATION 19 PAGES DRAWING 5 SHEETS).

CLASS : 63H. 161522

Int. Class : G03g 19/00 & G05f 7/00.

MAGNETIC APPARATUS FOR USE IN MINESWEEPING OR SHIP DEGAUSSING SYSTEMS.

Applicant : THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, OF WHITEHALL, LONDON SW1A 2AB, ENGLAND, A BRITISH CORPORATION SOLE.

Inventor : ALFRED BRIDGE COTTON.

Application for Patent No. 525/Del/84 filed on 28th June, 1984.

Convention date 4th July, 1983/8318111/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110005.

15 claims

A magnetic apparatus for use in minesweeping or ship degaussing systems comprising :

(a) a plurality of permanent magnets;

(b) a plurality of solenoids, each said solenoid wound around each said permanent magnet to produce a field to force the permanent magnet into positive or negative saturation in dependence on the direction of the solenoid current such that the magnet is switched from one magnetisation saturation state (positive or negative) to the opposite magnetisation saturation state;

(c) a control circuit to which each said solenoid is connected, which controls the direction of current in the solenoid and the length of time for which the current is passed to the solenoid, so that the solenoid current flows for sufficient time to achieve magnetic saturation of the permanent magnet; and

(d) a.d.c. power source which is connected to the control circuit such that electrical current is supplied to the control circuit and thence to each said solenoid as controlled by the control circuit;

wherein the overall magnetic moment of the apparatus is variable in steps as each permanent magnet saturation state is switched from one magnetisation saturation state to the opposite magnetisation saturation state.

Compl. Specn. 12 pages. Drgs. 2 sheets.

CLASS : 40I, 88D & 126A. 161523

Int. Cl. : F17d 3/04, G01n 15/06, 27/00 & E21f 17/18.

"GAS CONCENTRATION MONITORING SYSTEM FOR MONITORING THE PRESENCE OF A GAS IN AN ENVIORONMENT SUCH AS AN UNDERGROUND WORKING OF A MINE".

Applicant : ANGLO AMERICAN CORPORATION OF SOUTH AFRICA LIMITED, A COMPANY REGISTERED ACCORDING TO THE LAWS OF THE REPUBLIC OF SOUTH AFRICA, OF 44 MAIN STREET, JOHANNESBURG, TRANSVAAL SOUTH AFRICA.

Inventors : BERNARDUS JOHANNES BOUT, ERNEST PHILLIPS VANEEDEN & NICOLAAS IJAART VANDERWALT.

Application for Patent No. 532 Del/84 filed on 3rd July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A gas concentration monitoring system for monitoring the presence of a gas in an environment such as an underground working of a mine which comprises a plurality of gas detectors and a remote control station each said detector comprising a housing having ports in walls thereof to allow gas to enter the housing, a gas cell transducer mounted in the housing responsive to change its electrical characteristic with changes of concentration of the gas in the housing, an electrical monitoring circuit in said housing, said electrical monitoring circuit having an input electrically connected to the gas cell transducer, said circuit producing monitoring signals corresponding to electrical characteristic of the transducer the monitoring signals having a maximum value when the concentration of the gas in at a minimum and reducing in value as the concentration of the gas increases, the monitoring circuit of each detector being electrically connected to the remote control station, the remote control station having a power supply which supplies power to the monitoring circuit and means connected to the monitoring circuit for receiving the monitoring signals and providing an indication of the magnitude of the said signals.

Compl. Specn. 13 pages. Drg. 2 sheets

CLASS : 90E. 161524

Int. Cl. : C03b 5/16.

"METHOD FOR LIQUEFYING GLASS BATCH MATERIAL FOR THE PRODUCTION OF GLASS PRODUCTS, PARTICULARLY FLAT GLASS, CONTAINER GLASS, FIBER GLASS AND SODIUM SILICATE GLOSS PRODUCT".

Applicant : PPG INDUTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, U.S.A., OF ONE PPG PLACE, PITTSBURGH 22, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : HENRY MARTIN DEMAREST JR., GERALS ERASMUS KUNKLE & JOSEPH MICHAEL MATESA.

Application for Patent No. 541/Del/84 filed on 4th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

18 Claims

A method for liquefying glass batch materials as herein before defined for the production of glass products, particularly flat glass, container glass, fibre glass and sodium silicate glass products which comprises preheating batch material in a preheating zone, passing the preheated batch material from the preheating zone to a liquefying vessel and heating the preheated batch material so that the material is liquefied and flows over a stable and sufficiently inclined layer of batch material lying within said liquifying vessel and out of said vessel for removal as liquefied glass, the heat for the liquifaction being provided by the combustion of fuel with oxygen in the substantial absence of nitrogen in said liquifying vessel, wherein substantially all of the exhaust gases produced from the combustion in the liquefying vessel are passed to the preheating zone, said preheating zone being defined by a preheating vessel which has a slightly sloping supporting surface, said batch material as it moves along said sloping surface of the preheating vessel being agitated so as to enhance contact with the exhaust gases, and wherein prior to achievement of adhesion between the particles of the the batch material in th preheating vessel, said batch material is passed directly to the liquefying vessel where the batch material moves at a much steeper angle over said inclined stable layer of batch material lying within said liquefying vessel so as to promote the removal by draining off the liquefied batch material from the liquefying vessel before the batch material becomes fully melted.

Compl. specn. 27 pages. Drg. 1 sheet.

CLASS : 31A. 161525

Int. Cl. : F26b 5/04 & H01g 15/00.

"DEVICE FOR VACUUM DRYING OF CAPACITORS".

Applicant : OTDELENIE VSESOJUZNOGO NAUCHNO ISSLEDOVATELSKOGO INSTITUTA ELEKTROTERMICHESKOGO OBORUDOVANIA V GORODE KHARKOVE, OF PEREULOK INZHENERNY 1A, KHARKOV U.S.S.R. AND INSTITUT TEPLOI MASSOOBMENA IMENI A. V. LYKOVA AKADEMII NAUK BELORUSSKOI SSR, OF ULITSA PODLESNAYA, 15, MINSK, U.S.S.R., BOTH REGISTERED INSTITUTES OF THE U.S.S.R.

Inventors : NIKOLAI ALEXEEVICH GUDKO NIKOLAI ALEXEVICH PRUDNIKOV ALEXANDER GRIGORIEVICH VOSKHODOV, VSEVOLOD SERGEEVICH BARANENKO & IGOR ANATOLLIEVICH PRIMA.

Application for Patent No. 594/Del/84 filed on 23rd July, 1984.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A device for vacuum drying of capacitors comprising : a vacuum chamber having heated walls, at least one hermetic container supported in said vacuum chamber; said hermetic container having cells therein for holding and uniformly drying capacitors, the hermetic container being partially filled with a liquid heat-transfer agent and having a plurality of pipes for the liquid heat-transfer agent, a hermetic container with sides of the casing being adjacent walls of the hermetic container; inner surfaces of the walls of the hermetic container having secured thereto wicks for keeping the hermetic container walls moist; at least one collecting trough also being secured to the hermetic container walls; a barrel being secured inside said hermetic casing with the bottom of the barrel connected to the floor of the casing by a hinge whose axis of rotation is offset in relation to center of gravity of said barrel, a float being suspended in said barrel said float connected by means of a linkage with a valve of an outlet port in the bottom of said hermetic casing, said outlet port of said hermetic casing being connected by a hydraulic duct to bottom of said hermetic container; one of said pipes have a lower end thereof extending into said barrel, other said pipes having lower ends thereof extending into said hermetic casing, while upper ends of all said pipes extend into said at least one collecting trough.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 206E & 159 I. 161526

Int. Cl. B61 L 29/00.

"APPARATUS FOR PROVING CORRECT OPERATION OF AN ELECTRONOIC CIRCUIT".

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, ENGLAND.

Inventor : CHRISTOPHER ROBERT BROWN. (U.K.).

Application for Patent No. 599/Del/84 filed on 24th July, 1984.

Convention date 29th July, 1983 8320486 & 8320514/

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

Apparatus for proving correct operation of an electronic circuit capable of providing an output signal containing a frequency component corresponding to an input signal and passing said output signal to a further output or producing an inhibit control or disabling signal to disable an incorrectly produced signal, said apparatus comprising signal generating means for generating a proving signal of predetermined frequency, signal mixing means connected to the output of said generating means and to an input of said circuit for superimposing the generated proving signal on said input, responsive detecting means connected to an output of said circuit, said responsive detecting means detecting in said output the presence of said proving signal of predetermined frequency and passing any correctly produced signal to said further output or, when said signal detected is incorrectly produced, producing an inhibit control signal, and gating means connected to said responsive detecting means for passing said signal to the output of said circuit when and for as long as said signal has the proven predetermined frequency and to inhibit said circuit when the signal received is an inhibit control signal.

Compl. specn. 10 pages. Drg. 2 sheets.

CLASS : 49 D. 161527

Int. Cl. : B02c 18/00 & A22c 25/00, 25/20.

"IMPROVEMENTS IN OR RELATING TO A FISH MINCING MACHINE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT XXI OF 1860).

Inventors : SURENDRA KHUNTIA, ASHUTOSH PARIDA, ANUPOJU SURYANARAYANA RAO & JOSYULA SAMBA MURTY.

Application for Patent No. 633/Del. 84 filed on 7th August, 1984.

Complete specification left on 5th November, 1985.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

An improved fish mincing machine for mincing trash fish used in fish meal plant and other related industries which comprises a series of running blades which rotate in a housing by a motor, across an adjustable wedge shaped fixed blade fixed on a box type pedestal to execute shearing of trash fish being fed by a hopper, the said running blades being mounted in pairs of a double Cone rotor constituted of two conical parts having three pairs of angular sockets for

holding the running blades at an inclination of 10° to the radial and the said sockets imparting automatic push feeding of the material to the shearing zone; said rotor being rotatably connected to said motor.

Prov. specn. 10 pages.

Compl. specn. 12 pages. Drg. 1 sheet

CLASS : 64B, & 69 O. 161528

Int. Cl. : H01h 1/38 & 1/64.

"ELECTRICAL SOCKET CONNECTORS".

Applicant : DURAPLUG ELECTRICALS LIMITED, A BRITISH COMPANY, OF WESTWOOD WORKS, MARGATE ROAD, BROADSTAIRS, KENT CT10 2QL ENGLAND.

Inventors : MICHAEL MEDDLE, SYDNEY SUMMERSBY & MICHAEL DAND BEALE.

Application for Patent No. 632/Del/84 filed on 28th August, 1984.

Convention date 5th September, 1983/8323777/(U.K.).

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 claims

An electrical socket connector comprising a base carrying contacts for co-operating with the pins of an electric plug engaged with the connector, a cover member of impact resistant material secured to the base and provided with a plurality of openings, and an insert of substantially rigid material including portions located within said openings to reinforce the cover at said openings, the insert portions including apertures for the pins of the plug to pass therethrough.

Compl. specn. 8 pages. Drg. 4 sheets.

CLASS : 64A. 161529

Int. Cl. : H01h 85/04.

"IMPROVED ELECTRICAL FUSE HOLDER".

Applicant : THAMBOOSWAMI JOSEPH DAVID, AN INDIAN NATIONAL C/O. SUNNULOYAL, ST. STEPHENS CHURCH COMPOUND, FATEHPURI DELHI-110006, INDIA.

Inventor : THAMBOOSWAMI JOSEPH DAVID.

Application for Patent No. 691/Del 84 filed on 3rd September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patens Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved electrical fuse holder comprising a base of porcelain or the like insulating material and a pair of metallic contact pins to engage the two ends of a metallic fuse wire to complete an electric circuit plunger provided in a slit or opening provided in the said base intermediate between the said two contact pins, one end of the said plunger being biased by a spring while its other end is provided with means for fixing the fuse wire thereto characterised in that first seat is provided at one end of said opening, a second seat at the opposite end of said opening, a first end of said rod having a hook member to be held by said fuse wire so that the tension of the fuse wire acts on the spring loaded rod, a coiled spring surrounding said rod and disposed between said first seat and hooked member.

Compl. Specn. 7 pages. Drgs. 2 sheets.

CLASS : 28C & 180. 161530

Int. Cl. F24c 3/00.

"A BURNER FOR USE WITH A COMBUSTIBLE GAS".

Applicant : VIKAS ENGINEERING CORPORATION, concern whose proprietor is MOHAMMED SIDDIQ QIDWAI, a sole proprietor of Mauni Mandir, Sultanpur (U. P.) India, an Indian National.

Inventor : MOHAMMED SIDDIQ QIDWAI.

Application for Patent No. 722/Del/84 filed on 13th September, 1984.

Complete specification left on 12th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A burner for use wih a combustible gas comprising a burner head of hollow cylindrical shape secured to a tubular member, a plug extending within said cup shaped member, closing the open end of said tubular member so as to define an annular passage with the burner, said tubular member being connected to a source of combustible gas through a jet, a plurality of discrete openings or holes being provided in said tubular member so as to allow flow of the combustible gas into said annular passage in said burner head.

Provisional Specn. 5 pages.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 33 F. 161531

Int. Cl. : B 22 C 9/00.

PROCESS FOR PRODUCING A CASTING MOULD.

Applicant & Inventor : GERHARD MULLER-SPATH of Heuslingstrasse 19 a, D-5905 Freudenbers-Oberfischbach, Federal Republic of Germany, a West German national.

Applicaion No. 478/Mas/84 filed July 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

8 Claims

A process for producing a casting mold comprising providing a mold box having a top and a bottom enclosing a pattern, completely filling said top and said bottom with a single homogeneous chemically bound molding material around the pattern so as to form shaping surface in the molding material in said top and bottom of said mold box, separating the said top and bottom of the box and removing said pattern, placing said top of said mold box on said bottom of said mold box such that shaping surfaces define a mold cavity, feeding molten metal into said mold cavity whereby the molding material in the region of said molten metal becomes pourable due to breakdown of the binder of the molding material, removing said cast metal and pourable molding material from said mold cavity so as to form an enlarged cavity, relocating the pattern in said enlarged cavity and filling remaining space with said molding material.

Compl. Specn. 11 pages. Drgs. 2 sheets.

CLASS : 39 N. 161532

Int. Cl. : C 01 b 25/18.

A PROCESS FOR PRODUCING PHOSPHORIC ACID.

Applicant : RHONE-POULENC CHIME DE BASF, a French Body Corporate of 25 quai Paul-Doumer, 92408 Courbevoie, France.

Inventor : GUY NINEUIL.

Applicaion No. 485/Mas/84 filed July 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A process for producing phosphoric acid comprising a first reaction wherein phosphate ore is reacted with sulphuric acid to produce a first slurry, filternig the first slurry to separate phosphoric acid, concentrating the said acid, absorbing HF and SiF_4 vapors formed from the concentration step to form fluosilicic acid, carrying out a second reaction wherein a further amount of phosphate ore is reacted with the said fluosilicic acid in the presence of a portion of the phosphoric acid from the first reaction step to form a second slurry, filtering the said second slurry to separate phosphoric acid from the solid compounds of fluorine and silicon, essentially in the form of chukrovite.

Compl. Specn. 16 pages. Drg. 1 sheet.

CLASS : 33A. 161533

Int. Cl. : B 22 d 15/00.

METHOD AND APPARATUS FOR THE CONTINUOUS CASTING OF CAST IRON PIPES COMPRISING A SOCKET.

Applicant : Pont-A-Mousson S.A., of 91 Avenue de la Liberation, F. 54000 Nancy, France a company organised and existing under the laws of France.

Inventors : (1) Yves Gourmel, (2) Nichel Pierrel and (3) RIO BELLOCCI.

Application No. 492/Mas/84 filed Julyy 7, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

19 Claims

Method for the continuous ascending vertical casting of a cast-iron pipe with a socket, by supplying liquid metal from the bottom, in which pipe the internal shape shape of the said socket is provided by a core and the external shape by a chill-mould, the reservoir of liquid metal is constituted by a crucible having a cylindrical wall, the said cylindrical wall constituting a die which provides the shape of the tubular body adjacent to said socket, the said die being cooled externally whereby a tubular body is produced by ascending extraction of solidified metal from the said die, characterised in that the said socket and the beginning of said body are formed by filling the liquid cast-iron in the annular space between the said chill-mould providing the external shape of said socket, and the said core.

Compl. Specn. 31 pages. Drgs. 4 sheets.

CLASS : 54 161534

Int. Cl. : A 23 f 1/10

PROCESS FOR REDUCING THE DITERPENE CONTENT OF COFFEE OIL.

Applicant : SOCIATE DES PRODUITS NESTLE S.A., OF P.O. BOX 353, 1800 VEVEY, SWITZERLAND A COMPANY INCORPORATED IN SWITZERLAND.

Inventor : RATHINDRA NARAYAN ROYCHOUDHURY.

Applicatin No. 508/Mas/84 filed July 13, 1984.

Appropriate office for opposition proceedings (Rule 24, Patents Rules, 1972) Patents Office, Madras Branch.

6 Claims

A process for reducing the diterpene content of coffee oil characterised in that the coffee oil is initially heated to a temperature of from 150°C to 270°C for a period of from 1 minute to 6 hours, then cooled with the addition of at least 50% by weight of isopropanol, extracted with an aqueous isopropanol solution in which the amount of aqueous isopropanol solution is at least 0.5 parts by weight per part by weight of coffee oil, after which the oil layer is separated from the aqueous isopropanol layer.

Compl. specn. 8 pages. Drg. Nil

CLASS : 77 B2 161535

Int. Cl. : C 11 b 3/12.

A PROCESS FOR THE SOLVENT FRACTIONATION OF FATS INTO AT LEAST 2 FRACTIONS.

Applicant : SOCIETE DES PRTODUISTS NESTLE S.A., OF P.O. BOX 353, 1800 VEVEY, SWITZERLAD A COMPANY INCORPORATED IN SWITZERLAND.

Inventor : FRANCIS EUGENE TUDDY, SERGIO LONGHI.

Application No. 509/Mas/84 filed July 13, 1984.

Appropriate office for opposition proceedings (Rule 24, Patents Rules, 1972) Patents Office, Madras Branch.

6 Claims

A process for the solvent fractionation of fats into at least 2 fractions including a first high-melting glyceride fraction and a second fraction, that is an oil at temperatures above 10°C, the process comprising :

(a) dissolving the fat in a solvent mixture such as herein defined which is a binary azeotropic solvent mixture, the solvent ratio being from 1.5 to 8.0 ml. of solvent per grame of fat;

(b) Crystallizing the solution from step (a) at 10-15°C;

(c) Separately collecting a solvent phase and the crystallised precipitate formed in step (b);

(d) extracting the crystallised precipitate of step (c) by contacting with fresh solvent mixture cooled to about 2°C below the temperature of step (b) using at least about 8% of the original volume of solvent mixture;

(e) separating the solvent phase and the precipitate from step (d), which precipitate is a hard fat fraction having a melting point above 40°C; and

(f) combining the solvent phases from step (c) and step (e) and eliminating solvent therefrom to provide an oil fraction which is liquid above 10°C.

Compl. specn. 21 pages. Drg. 11 sheets

CLASS : 48 B. 161536

Int. Cl. : H 02 g 1/00.

A PROTECTIVE SHEATH FOR ELECTRIC CONDUCTORS.

Applicant & Inventor : DINESH VRAJLAL MODI OF MODI INDUSTRIES, 124 RASAPPA CHETTY STREET, MADRAS-600003, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 511/Mas/84 filed July 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A protective sheath for electrical conductors comprising a first channelled member for being fixed to a support, said first channelled member being constituted by a base attached laterally to a pair of resilient webs defining a channel therebetween, and a second channelled member to serve as a cover for the first member, said second channelled member also being constituted by a base attached laterally to a pair of resilient webs defining a channel therebetween, both members being in strip form and of the same length, whereby the said members, when placed against and opposed to each other with their channels face to face, receive at least one electric conductor in the enclosure formed by the opposed channels, characterised in that the pairs of webs laterally bounding the channels of the two members have co-operating curved profiles, the extremities of which are directed substantially inwardly with respect to the channels, the said extremities of the pairs of webs of the respective members riding over each other, whenever the second member is urged against the first member, to resiliently snap into engagement, thus enclosing the said conductor; and, whenever the second member is prised off the first member, to resiliently snap out of such engagement, thus exposing the said conductor.

Compl. Specn. 6 pages. Drg. 1 sheet.

CLASS : 206 I & E. 161537

Int. Cl. : H 03 C 1/00.

AMPLITUDE-MODULATED TRANSMITTER WITH CONTROLLED CARRIER VALUE.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF CH-5401 BADEN SWITZERLAND, A SWISS COMPANY.

Inventor : BOHUMIL KYRIAN.

Application No. 540/Mas/84 filed July 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

An amplitude-modulated transmitter in which the carrier value (T) is controlled by the modulation level (P) in which control system the static characteristic (SK) of the carrier value (T) varies as a function of the modulation level (P) between a maximum carrier value (T_{max}) and a minimum carrier value (T_{min}) which is greater than zero and the carrier value (T) on the static characteristic (SK) is forward-controlled proportionally to the modulation level (P) above a first level value (P_1) and in which control system the minimum carrier value (T_{min}) is assumed to occur in the region of the most frequently occurring values of the modulation level (P), characterised in that means are provided for controlling the carrier in such a manner that with a disappearing modulation level (P) a residual carrier value (R) remains which is greater than the minimum carrier value (T_{min}) and that the carrier value (T) is initially reduced on the static characteristic (SK), starting from the residual carrier value (R), to the minimum carrier value (T_{min}) with rising modulation level (P) wherein the means for controlling the carrier comprises a rectifier (2) for rectifying the modulation signal, a peak detector (3), which follows the rectifier (2), for measuring the peak value of the modulation signal and a control block (10) which supplies at an output (8) a control signal for controlling the carrier as determined by the peak value and in accordance with the static characteristic (SK).

Compl. Specn. 24 pages. Drgs. 3 sheets.

CLASS : 94-G 161538

Int. Cl. . B 02 C-11/08.

DEVICE FOR THE COOLING OF HOLLOW ROLLS.

Applicant : VEB KOMBINAT NAGEMA, of DDR 8045 Dresdem, Breitscheidstrasse 46—56, German Democratic Republic.

Inventor : Thomas Fritzsche, Horst Senf.

Application No. 691/Mas/84 filed September 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

Device for the cooling of hollow rolls wherein through a cooling water outlet bore in the journal along the longitudinal axis of the roll a fixed cooling water inlet tube leads to the interior of the roll, which is fitted with a radial cooling water exit inlet tube; and parallel to the coolng water inlet tube an air feeder tube is arranged inside the roll interior and it extends over one-fourth of the roll interior space length.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 195-D. 161539

Int. Cl. : F 16 k 3/00; 37/00.

A DEVICE FOR OPERATING THE FOOT-VALVE OF A PUMP FOR INCREASING THE OPERATIONAL EFFICIENCY THEREOF.

Applicant & Inventor : RAMAR CHETTIAR SENNAIYAN CHETTIAR PONNUSWAMY CHETTIAR AYYATHURAI, SILLAMARATHUPATTI, MADURAI DISTRICT, TAMIL NADU.

Application and Provisional Specification No. 573/Mas/84 filed August 6, 1984.

Complete Specification left : November 6, 1985.

Appropriaet office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A device for operating the foot-valve of a pump for increasing the operational efficiency thereof comprising a cistern with an inlet for entry thereinto of a portion of the water discharged by the pump and an outlet at its base for exit of such water; a weighted float within the cistern, and a spring-load lever connected to the float and to the gate valve, whereby with the pump in operation and the cistern containing water, the float is raised by the water in the cistern to constrain the lever under spring resilience to exert a pull on the gate valve and open it, but with the pump ceasing to discharge, the cistern is drained of water thereby causing the float to lower under its weight, against such spring resilience, to constrain the lever to release the pull on the gate valve and thus permit it to close under its own weight.

Prov. Specn. 5 pages.

Compl. Specn. 6 pages. Drg. 1 sheet.

CLASS : 55-F. 161540

Int. Cl. : C 12 k 1/02.

METHOD FOR PRODUCING A RECOMBINANT BACULOVIRUS EXPRESSION VECTOR.

Applicant : THE TEXAS A&M UNIVERSITY SYSTEM, DULY ESTABLISHED ACCORDING TO THE CONSTITUTION OF THE STATE OF TEXAS, HAVING A PRINCIPAL PLACE OF BUSINESS AT COLLEGE STATION, TEXAS 77843, UNITED STATES OF AMERICA.

Inventor : GALE E. SMITH, MAX D. SUMMERS.

Application No. 172/Mas 86 filed March 12, 1986.

Divided out of Patent Application No. 376/Mas/84 (Ante-dated to 24th May, 1984).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A method of manufacturng a recombinant baculovirus expression vector, capable of expressing a selected gene or portion thereof in a host insect cell comprising :

(a) cleaving baculovirus DNA by the hydrolytic action of an endonuclease to produce DNA fragment comprising abaculovirus gene or portion thereof;

(b) preparing a recombinant transfer vector by inserting said DNA fragment into a cloning vehicle and thereafter inserting at least one selected gene or portion thereof as herein described into the thus modified cloning vehicle such that said selected gene or portion thereof is under the transcriptional control of a promotor of said baculovirus gene or its own promotor;

c) contractng said recombinant transfer vector with baculovirus DAN so as to effect recombination, thereby producing a mixture of recombinant and non-recombinant baculovirus; and

(d) separating in a known way a recombinant beculovirus expression vector from said mixture.

Compl. Specn. 51 pages. Drgs 6 sheets.

CLASS : 34A. 161541

Int. Cl. : B23b 7/00.

"A METHOD AND APPARATUS FOR PRODUCING MULTI LAYER EXPANDED FILMS".

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION, A British Corporation established by statute of 66-74 Victoria Street, London SW1, England.

Inventors : STEPHEN HAMPDEN JOSEPH, JOHN EDWARD MILLER & LAWRIE AMESS WILLIAMSON.

Application for Patent No. 375/Del/81 filed on 11th June, 1981.

Convention date 20th June, 1980/8020314/(U.K).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A method of producing multi-layer expanded film in which a base film comprising at least one layer is extruded hot through an extrusion die and at least one further layer of fluid such as herein described in a molten state is coated upon a surface of that base film while expanding the said film, said fluid being propelled from a manifold through a metering orifice to meet that surface closely downstream of the extrusion die and before any substantial degree of expansion has taken place such that the resulting multi-relayer is expanded and the expansion is accompanied by a fall in temperature.

Compl. pecn. 15 pages. Drgs. 3 sheets.

CLASS : 32 f 2(b), 55E 4. 161542

Int. Cl. : CO7d 57/00.

"PROCESS FOR THE SYSTHESIS OF 1, 2-CIS-1[P-(B-PYRROLIDINDETHOXY) PHENYL]-5-METHOXY INDANE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

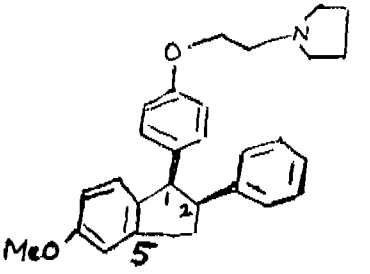
Inventor : MANGEL SAIN MALIK, SHRI NIVAS RASTOGI, MAN MOHAN SINGH, VED PRAKASH KAMBOJ.

Application for Patent No. 394/Del/1983 filed on 10th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

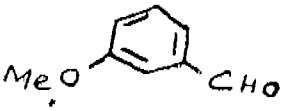
8 Claims

Process for the synthesis of 1, 2-cis-1-[p-(B-pyrrolidineothoxy) phenyl]-2-phenyl-5-methoxy indane of formula (9)



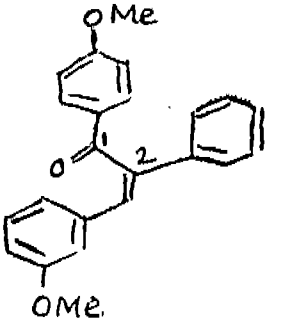
Formula (a)

(i) reacting m-anisaldehyde of formula (1).

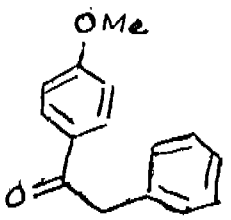


Formula (1)

with p-methoxydesoxybenzoin of formula (2)



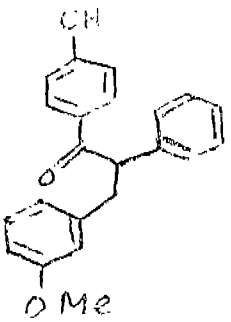
Formula 3



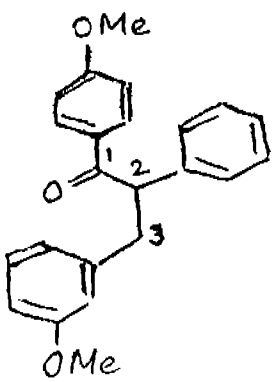
Formula 2

to form 3-(m-methoxyphenyl-2-phenyl-1-1-(p-methoxyphenyl propane-1-one of formula (3)

(ii) subjecting the compound of formula (3) to catalytic hydrogenation by known methods to form 3- (m-methoxyphenyl) -2- phenyl-1-1 (p-methoxyphenyl)-propan-1-one of formula (4);



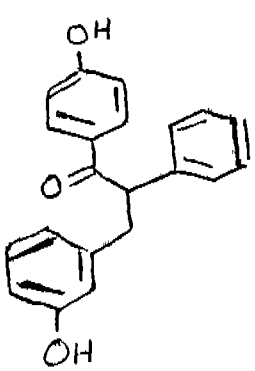
Formula 5



Formula 4

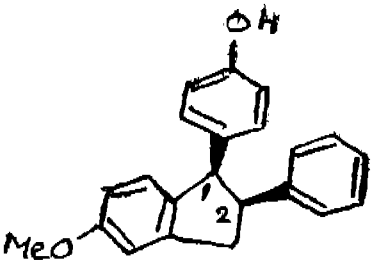
(iii) demethylating by known methods the compound of formula (4) to form a reaction product admixture of 3-(m-methoxyphenyl)-2-phenyl-1-(p-hydroxy-phenyl)-propan-1-one of formula (5).

and 2-phenyl-1-(p-hydroxyphenyl) propan-1 one of formula (6)

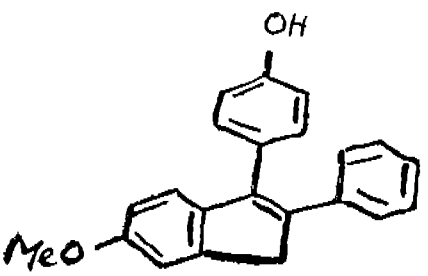


Formula 6

(iv) separatng the compound of formula (5) from the reaction mixture and cyclizing by known methods the compound of the formula (5) to obtain 3-(p-hydroxyphenyl)-2-phenyl-6-methoxyind-2-one of formula (7);



Formula 8



Formula 7

and

(vi) alkylating by known methods the compc formula (8) to obtain the desired 1, 2-cis-1-(p-(B-pyrrolidinoethoxy)- phenyl)- 2-phenyl-5-methoxyindane.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : $32F_1$. 161543

Int. Cl. : AO1n CO1d 7/28.

"PROCESS FOR THE PREPARATION OF A TETRALYL-SUBSTITUTED-4-HYDROXY COUMARIN COMPOUNDS".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS A NETHERLANDS COMPANY.

Inventors : IAN DAVID ENTWISTLE AND PETER BOEHM.

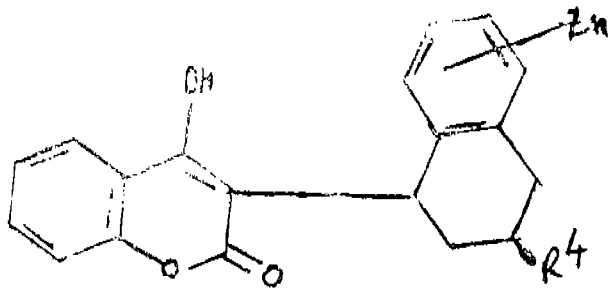
Application for Patent No. 395/Del/83 filed on 10th June, 1983.

Convention date on 14th June, 1982/8217219 and 10th January, 1983/8300549/(U.K).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

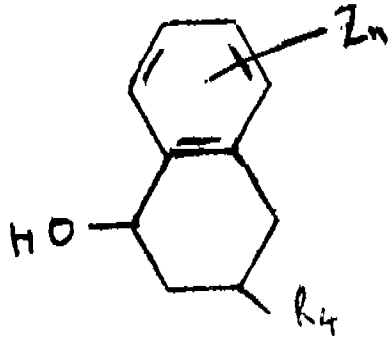
7 Claims

A process for the preparation of a tetralyl-substituted-4-hydroxy coumarin of the general molecular formula II



Formula II

in which Z represents a halogen atom and n is 0, 1 or 2 and R^4 represents (1) a grouping which comprises a phenylene radical attached directly or indirectly to the tetralin ring and having an the para position (with respect to such attachment) an electron-withdrawing atom or group of the kind such as herein described whose rotational volume substantially does not exceed that of a phenyl group and which forms together with said phenylene radical a polarisable structure, with the proviso that when said phenylene radical is attached to the tetralin ring directly, or through another phenylene radical only, or through a grouping comprising an oxygen atom and another phenylene radical, said electron-withdrawing atom is not a halogen atom, (2) a radical selected from 2, 3 or 4 of the drawings or (3) a grouping which comprises a phenylene radical attached directly to the tetralin ring and having in the para position (with respect to such attachment) a substituted furanyl or thio-phenyl radical attached thereto directly or through oxygen and/or methylene said furanyl or thiophenyl radical having an electron-withdrawing atom or group as a substituent in a position forming with the furanyl or thiophenyl radical a polarisable structure, said atom or group having a rotational volume which substantially does not exceed that of a phenyl group, which process comprises thermally condensing 4-hydroxy coumarin with a compound of the general formula II a



Formula IIa

in which R^4, 4 and n have the meanings specified above.

Compl. Specn. 37 pages. Drgs. 14 sheets.

CLASS : 32 F 2 b. 161544

Int. Cl. : C 07 c 85/04.

"A PROCESS FOR THE PRODUCTION OF 4-NITRODIPHENYLAMINES".

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY, MANUFACTURERS.

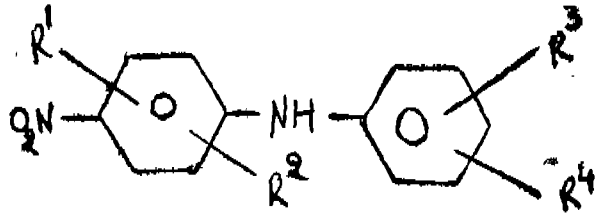
Inventor : WILHELM NEHODA, GERHARD ADOLPHEN AND BERNHARD SCHERHAG.

Application for Patent No. 98/Del/84 filed on 1st February, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

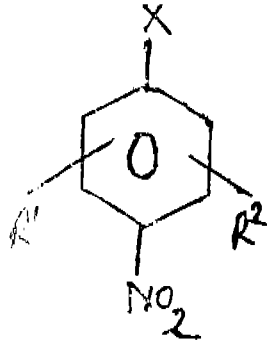
10 claims

A process for the production of 4-nitrodiphenylamines of general formula I



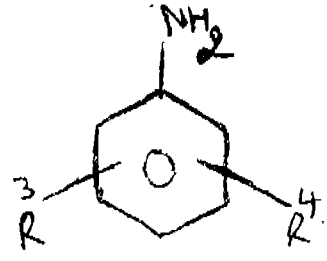
Formula I

in which R^1, R^2, R^3 and R^4 may be same or different and represent a hydrogen atom or a C_1-C_9-alkyl radical by reacting 4-nitrohalobenzene of the formula II



Formula II

In which X represents chlorine or bromine and R^1 and R^2 are as previously defined with primary aromatic amines of the Formula III



Formula III

in which R^3 and R^4 are as previously defined in the presence of potassium carbonate and copper compounds of the kind such as herein described characterised in that at least one other compound of the kind such as herein described of a metal of the IIIrd, IVth, Vth and VIth main group or of the IInd, IVth, Vth, VIth, VIIth and VIIIth secondary group of the Periodic System of Elements and optionally the formyl derivative of an aromatic amine are added.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 127 I&95H. 161545

Int. Cl. : B25b 29/02.

A HYDRAULIC BOLT TENSIONING DEVICE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : APURLEA KUMAR BANDYOPADHYAY, PREM RANJAN SAMADDAR & MADHU SUDAN BANERJEE.

Application for Patent No. 119/Del/84 filed on 7th February, 1984.

Complete specification left on 30th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005, Delhi-110005.

3 Claims

A hydraulic bolt tensioning device comprising a cylindrical base (5) over which is placed a cylinder (7) which holds a ram with a movable puller bar (2) inside it for engaging the bolt to be tightened, an inlet nozzle (6) provided for passing hydraulic fluid connected to a hydraulic pump and an outlet nozzle (13) for discharging the fluid and the aid inlet and outlet nozzles being provided in the cylinder between the two seals, two seals (8) one fitted with the ram and the other with the cylinder to prevent leakage of the hydraulic fluid on the application of a pressure, a nut turning mechanism consisting of two bevel gears (10) one fitted to a handle (12) through a bolt (11) and rotating in the vertical plane and the other fitted to a sleeve (4) at the base and moving in the horizontal plane and in turn rotating the nut to be tightened and means provided at the top of the device to limit the movement of the ram.

Provisional Specn. 4 pages Drg. 1 sheet.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 24D (&4E. 161546.

Int. Cl. : F16d 65/14.

BRAKE MOTOR WITH AN AUTOMATIC ADJUSTMENT DEVICE.

Applicant : SOCIETE ANONYME D.B.A., A FRENCH COMPANY OF CENTRE PARIS PLEYEL, 93521 SAINT-DENIS CEDEX 01, FRANCE.

Inventors : CARRE JEAN JACQUES & PRESSACO PIERRE.

Application for Patent No. 382/Del/84 filed on 7th May, 1984.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A brake motor with automatic adjustment device comprising a fixed body having a groove thereon, a control piston mounted on said fixed body, a nut and screw engaging against said control piston, a pawl connected to said nut and screw by means of a toothed wheel integral with said nut and screw for causing the lengthening of said screw, said pawl and said toothed wheel being responsive to the relative axial displacement between said control piston and said fixed body, characterized in that said piston is mounted on said fixed body by means of a knuckle shaped pivot integral with said piston said pivot guiding said piston into said groove said pawl being axially connected to said piston by means of said knuckle shaped pivot, said pawl having a sloped surface which co-operates elastically with said fixed body for converting relative displacement into a rotary displacement of said pawl, said pawl also elastically engaging said toothed wheel, a portion of said pivot being slidably received in said groove for ensuring the circumferential relative positioning between said body, said piston and said sloped surface.

Compl. Specn. 13 pages. Drgs. 5 sheets.

CLASS : 63 I & 135. 161547

Int. Cl. : H02n 11/00, F03b 17/06 & F03g 7/08.

A POWER GENERATION SYSTEM.

Applicant : SURESH KUMAR CHAWLA, AN INDIAN NATIONAL OF B-1/411, JANAKPURI, NEW DELHI, INDIA.

Inventor : SURESH KUMAR CHAWLA

Application for Patent No. 387/Del/84 filed on 8th May, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A power generation system for installation across a water flow stream comprising a plurality of chambers, each of said chambers having an inlet for introduction of water therein and an outlet for discharge of water therefrom, a float disposed within each of said chambers, each of said floats being connected to one end of the respective connecting rods, the opposite or other end of said connecting rods being connected to a common driven shaft for rotating the same, the introduction of water into and discharge of water from said chambers causes raising or lowering of the floats, the up and down movements of the floats being transmitted to the common driven shaft by the connecting rods to rotate the driven shaft

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 85 C&G. 161548

Int. Cl. : F278 1/20.

APPARATUS FOR ACTUATING A PROPORTIONING VALVE.

Applicant : PAUL WORTH S.A., OF 32 RUE D'ALSACE, LUXEMBOURG, GRAND-DUCHY LUXEMBOURG A CORPORATION ORGANISED UNDER THE LAWS OF LUXEMBOURG.

Inventors : EMILE LONARDI & VICTOR KREMER.

Application for Patent No. 466/Del/84 filed on 6th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An apparatus for actuating a proportioning value, the valve consisting of a pair of registers, each register having cut-out portion defining a variable area orifice which is generally symmetrical about a central longitudinal axis through the orifice, the registers being respectively connected to a first and second drive shaft, the drive shaft being mounted coaxially with respect to each other about a common axis including :

first and second arm means, said first arm means being connected to said first drive shaft at a first end thereof and said second arm means being connected to second drive shaft at a first end thereof;

first and second connecting rod means being pivotably and respectively connected at first ends thereof to second ends of said first and second arm means;

first and second tilting lever means, each tilting lever means being pivotally connected to a second end of said connecting rod means, said lever means being mounted on pivot shaft means, said pivot shaft means being parallel to said common axis of said drive shaft;

said pivotable connection between said first tilting lever means and said first connecting rod means and said pivotable connection between said second tilting lever means and said second connecting rod means being an opposite sides of the plane defined by said common axis and said pivot shaft means; and

driving means, said driving means urging said first and second tilting lever means to pivot about said pivot shaft means wherein said registers are simultaneously actuated in opposite directions.

Compl. Specn. 8 pages. Drgs. 2 sheets.

CLASS : $48A_2$. 161549

Int. Cl. : H01b 11/00.

AN OVERHEAD FLEXIBLE ELECTRIC CONDUCTOR.

Applicant : BICC PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 21, BLOOMSBURY STREET, LONDON WC1B 3QN, ENGLAND.

Inventor : JOHN EDWARD TAYLOR.

Application for Patent No. 477/Del/84 filed on 12th June, 1984.

Convention date 17th June, 1983/8316494/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

22 claims

An overhead flexible electric conductor comprising at least one layer of helically wound bare elongate elements of metal or metal alloy, at least one elongate compartment within and extending throughout the length of the flexible conductor and at least one optical fibre ribbon structure loosely housed in the elongate compartment or at least one of the elongate compartments, wherein the optical fibre ribbon structure comprises a plurality of optical fibres and at least one flexible elongate reinforcing element of substantially resilient material lying side by side and embedded in an elongate body of plastics material, the or each resilient reinforcing element and the optical fibre ribbon structure of which the resilient reinforcing element forms a part being in an undulating form comprising a plurality of smoothly curved undulations whose axes of curvature lie parallel to one another and substantially normal to the longitudinal axis of the optical fibre ribbon structure and the structure being such that, when a tensile force is applied to the undulating ribbon structure of the conductor, the ribbon structure straightens in a lengthwise direction against the action of the undulating resilient reinforcing element or elements thereby reducing the tensile force applied to the optical fibres and when the tensile force is removed, the ribbon structure returns towards its original undulating form.

Compl. Specn. 19 pages. Drgs. 2 sheets.

CLASS : 63 1 & 135. 161550

Int. Cl. : 202n 11/00, F03b 17/06 & F03g 7/08.

AN IMPROVED POWER GENERATION APPARATUS.

Applicant : SURESH KUMAR CHAWLA, AN INDIAN NATIONAL OF B-1/411, JANAKPURI, NEW DELHI, INDIA.

Inventor : SURESH KUMAR CHAWLA.

Application for Patent No. 639/Del/84 filed on 8th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 claims

An improved power generation apparatus to be installed across a water flow stream comprising one chamber having an inlet for introduction of water thereinto and an outlet for the discharge of water therefrom, a float disposed within said chamber and connected to one end of a connecting rod, characterized in that a plurality of actuating fingers secured to said connecting rod engaging a toothed wheel for winding a spring system the spring system being connected to a generator to rotate the same.

Compl. Specn. 6 pages. Drg. 1 sheet.

PATENTS SEALED

154533 157170 158008 158012 158013 158157 158159 158160 158273 158318 158344 158380 158539 158557 158560 158562 158567 158571 158572 158576 158577 158586 158590 158595 158596 158597 158598 158599 158600 158601 158603 158613 158630 158643 158649 158650 158651 158652 158653 158654 158727 158800

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Shri Padmanna Jambu Chougule, Block No. 11, P.O. Ratnappa Kumbhar Nagar, Ichalkaranji, District Kolhapur Pin-416121 (Maharashtra State), India, has made application under Section 57 of the Patent Act, 1970 for amendment of application and complete specification for Patent No. 159943 for "A slab with precast building compounds". The amendments are by change of residence i.e. Shri Padmanna Jambu Chougule, Post Office Manjari, Taluka Chikkodi, Dist. Belgaum (Karnataka State) India, Pin-591264 and therefore address of correspondence is also changed. The application for amendment and the proposed amendment can be inspected free of charge at the Patent Office Branch, Todi Estate, 3rd Floor, Sunmill Compound, Lower Parel (West), Bombay-400013 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30 within 3 months from the date of this notification at the Patent Office Branch, Bombay. If the full written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice of opposition.

(2)

Notice is hereby given that the Contraves AG, a Swiss Company of Schaffhausertrasse, 580 CH 8052 Zurich, Switzerland, have made an Application under Section 57 of the Patents Act, 1970, for amendment of the specification of their Application for Patent No. 160894 for "PERISCOPE-LIKE SIGHTING DEVICE". The amendments are by way of correction. The Application for amendments can be impected free of charge at the Patent Office, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30 within 3 months from the date of this notification at the Patent Office Madras. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said Notice.

(3)

Notice is hereby given that the British Petroleum Comnapy P.I.C., Britannic House, Moor Lane, London, EC2Y 9BI, England, a British Company, have made an application under Section 57 of the Patents Act, 1970, for amendment of Specification of their Application for Patent No. 160790 for "A METHOD AND APPARATUS FOR MAKING DIAMONDS FROM A DIAMONDIFERROUS ORE OR CARGUE AND AN APPARATUS FOR SEPARATING DIAMONDS". The amendments are by way of correction The Application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30 within 3 months from the date of this notification at the Patent Office, Madras. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

143657 143989 144109 144123 144563 144675 145305 146413 146497 146637 147697 147698 147699 147700 148405 148583 148857 149367 149562 149799 150062 150548 150589 150786 150804 150899 151026 151027 151181 151768 151811 152404 152462 152490 152985 153409 153576 153729 153730 153893 153944 153948 154130 154484 154905 154906 154942 154981 155115 155268 155343 155366 155470 155477 155573 155567 155678 155703 155846 155989 156354 156465 156561 156676 156865 157189 157198 157291 157538 157738 157752 157759 157786 157856 157897 157923 158010 158219 158240 158303 158315 158316 158317 158322 158340 158343 158377 158382 158449 158541 158542 158548 158549 158583 158584 158593 158594 158612

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 158219. Ramon Surgical Co., D-12, Old Gupta Colony, Polo Road, Delhi-110009, (India), (Indian National) of the above address. "Bath room weighing machines". 14th April, 1987.

Class. 1. Nos. 158297, 158298. Sivananda Electronics, D-149-East of Kailash, New Delhi-110005. India. An Indian Partnership Firm. "Metal Detector". 4th May, 1987.

Class. 1. No. 158300. Jayant R. Churi Thakur Building, 2nd Floor Opp. Kirti College Kashinath Dhuru Road Dadar, Bombay-400 028, Maharashtra State, India. A Subject of the Republic of India. "A Trolley For Gas Cylinder With 3 Castor Wheels". 5th May, 1987.

Class. 1. No. 158315. Auto Trim, 11, Rachna Building, 13/30, W.E.A. Karol Bagh, New Delhi-110005, India, an Indian Proprietory firom. "Wheel Cap". 8th May, 1987.

Class. 1. No. 158322. Khannah Electricals Pvt. Ltd., a company incorporated in India, of C-69 DDA Shed Okhla Industrial Area, Phase I, New Delhi-110020, India. "Ventilating Fan". 11th May, 1987.

Class. 1. No. 158348. Khaitan (India) Limited, an Indian Company of 46C, J. L. Nehru Road, Calcutta-700 071, West Bengal, India. "Bottom Cover of Ceiling Fan Motor Body". 22nd May, 1987.

Class. 1. No. 158354. Mitsugi Ishida, a citizen of Japan of 72-81 113th Street, Forest Gills, New York 11375, United States of America. A "Diamond". 25th May, 1987.

Class. 1. No. 158359. Mahinder Narain, Resident of 18-Rajpur Road, Delhi-110054. India. An Indian National. "Strainer'. 26th May, 1987.

Class. 3. No. 158289. Varadiah Madana Gopal 37, 7th Cross Street, 1st Floor, Shenoy Nagar, Madras-600 030. India. (Tamil Nadu). "T. V. Projector'. 1st May, 1987.

Class. 3. No. 158291. Uttam Times Industry (P) Ltd., 23/1, Crescent Road, Bangalore-560001 India, a company incorporated under the Indian Companies Act. "Container". 1st May, 1987.

Class 3. No. 158299. Establishments Regnault. A Societe Anonyme organized under the law of France, of Chemin des Huguenots 26000 Valence, France. "A Writing Instrument". 4th May, 1987.

Class. 3. Nos. 158304, 158305, 158306, 158307. Universal Symetrics Corporation, a New Jersey Corporation of 292 Fort Plains Centre, Howell, New Jersey 07731, U.S.A. "BOTTLE". 6th May, 1987.

Class. 3. No. 158309. Karm Home Appliances Private Limited, C-1/5-A, Model Town, Delhi-110009, Union Territory of Delhi, India, a private limited company incorporated under Indian Companies Act, 1956. "Floating Immersion Heating Element", 7th May, 1987.

Class. 3. No. 158310. ISKRA-DELTA Proizvodnja racunalniskih sistemov in inzeniring, P.O. a Yugoslavian body corporate establish and existing under Yugoslavian laws, of Parmova 41, YU-61000 Ljubljana, Yugoslavia. "Computer Processor Casing". 7th May, 1987.

Class. 3. No. 158311. ISKRA-DELTA, Proizvodnja racunalniskih sistemov in inzeniring, P.O. a Yugoslavian body corporate establish and existing under Yugoslavian laws, of Parmova 41, YU-61000 Ljubljana, Yugoslavia. "Monitor For A Computer, In Particular For Personal Computer". 7th May, 1987.

Class. 3. No. 158312. ISKRA-DELTA, Proizvodnja recunalniskih sistemov in inzeniring, P.O. a Yugoslavian body corporate establish and existing under Yugoslavian laws, of Parmova 41, YU-61000 Ljubljana, Yugoslovia. "Typing Unit For A Computer". 7th May, 1987.

Class. 3. No. 158319. Smti Sailabala Baruah, of "Bani Prakash", Survey Office, Khalihamari, Dibrugarh 786001, Assam, an Indian Citizen. "Scale (Rule)". 8th May, 1987.

Class. 3. No. 158323. Khannah Electricals Pvt. Ltd., A company incorporated in India, of C-69 DDA Shed Okhla Industrial Area, Phase I, New Delhi-110020, India. "Ventilating Fan". 11th May, 1987.

Class. 3. No. 158324. Rikhab Enterprises, of 14 Ekambareswarar Agraharam, 1st Floor, Madras-600003, India, a registered Partnership Firm. A "Hot Tiffin Carrier". 11th May, 1987.

Class. 3. No. 158325. Rikhab Enterprises, of 14 Ekambareswarar Agraharam, 1st Floor, Madras-600003, India, a registered Partnership firm. "A Bowl" 11th May, 1987.

Class. 3. No. 158351. Khaitan (India) Limited, an Indian Company of 46C, P. L. Nehru Road, Calcutta-700 071, West Bengal, India. "Canopy of Ceiling Fan". 22nd May, 1987.

Class. 3. No. 158352. Khaitan (India) Limited, an Indian Company of 46C, J. L. Nehru Road Calcutta-700 071, West Bengal, India. "Canopy of Ceiling Fan". 22nd May, 1987.

Class. 3. No. 158353. Ramawater Sarnogi, Indian National of Maker Chamber, V, 1412 Nariman Point, Bombay 400 021, State of Maharashtra, India. "BOTTLE". 25th May, 1987.

Class. 3. No. 158519. S. P. Industries, 12, Ganesh Chandra Avenue, Calcutta-700013, West Bengal, India, an Indian Registered Partnership Firm. "Ball Point Pen". 10th July, 1987.

Class. 5. No. 158320. Gujarat Co-operative Milk Marketing Federation Limited, a Federation registered under the Gujarat Co-operative Societies Act, 1961, City of Anand 388 001, State of Gujarat, India. "Tetrahedron Pack". 11th May, 1987.

Class. 5. No. 158321. Gujarat Co-operative Milk Marketing Federation Limited, a Federation registered under the Gujarat Co-operative Societies Act, 1961, City of Anand 388 001, State of Gujarat, India. BRIK PACK". 11th May, 1987.

Extn. *of Copyright for the Second period of five years.*

Nos. 149131, 150820—Class-1.

Nos. 152408, 152504, 152407, 152498—Class-3.

Nos. 152505, 152506—Class-10.

Extn. *of Copyright for the Third period of five years.*

Nos. 147809, 150820—Class-1.

Nos. 144214, 152498—Class-3.

NAME INDEXES OF APPLICANTS FOR PATENTS

FOR THE MONTH OF MARCH, 1987 (NOS. 155/Cal/87 TO 258/Cal/87, 140/Mas/87 TO 233/Mas/87, 177/Del/87 TO 276/Del/87 And 55/Bom/87 To 116/Bom/87.)

Name & Appln. No.

—A—

A. Ahlstrom Corporation.—151/Mas/87.

AKT Consultants Pty. Limited.—263/Del/87.

Air Products & Chemical Inc.—160/Mas/87.

Akebono Brake Industry Company Limited.—162/Mas/87, 194/Mas/87.

Allied Corporation.—196/Del/87.

Almblad D.F.—276/Del/87.

Alsthom.—177/Del/87.

Ambike, R. G.—75/Bom/87.

American Cyanamid Company.—252/Cal/87.

American Hoechst Corporation.—220/Cal/87.

American Telephone and Telegraph Company.—188/Mas/87.

Ammonia Casale S. A.—176/Mas/87.

Anand, M.—228/Mas/87.

Angelo J. F. II.—176/Cal/87.

Antoorkar, S. B.—109/Bom/87.

Anver.—245/Del/87.

Armco Inc.—221/Cal/87.

Asha Handicrafts.—95/Bom/87.

—B—

BBC Brown, Boveri and Company Limited.—187/Mas/87.

B. F. Goodrich Company, The.—232/Del/87, 233/Del/87, 248/Del/87 & 249/Del/87.

B. M. D. Limited.—179/Del/87.

Baban Marine Services.—253/Cal/87.

Name & Appln. No.

Babcock & Wilcox Company, The.—199/Del/87 & 200/Del/87.

Balcke-Durr Aktiengesellschaft.—266/Del/87.

Banerjee, A.—249/Cal/87.

Banerjee, G.—249/Cal/87.

Baruah, D. R. (Dr.)—59/Bom/87 & 60/Bom/87.

Baruah, N. (Mrs.)—59/Bom/87 & 60/Bom/87.

Brave, Y. S.—73/Bom/87.

Ben Gurion University of the Negev.—68/Bom/87 & 69/Bom/87.

Bendix Limited.—193/Del/87.

Beng, Lam Heng.—195/Del/87.

Benke Instrument & Elektro AG.—194/Cal/87.

Bhandari, N. M.—103/Bom/87.

Bharat Heavy Electricals Limited.—221/Del/87.

Bhat, G. V.—206/Mas/87, 207/Mas/87 & 208/Mas/87.

Bir, P.—210/Mas/87.

Blakeley, P. J. (Dr.)—189/Mas/87.

Boots Company PLC, The.—174/Mas/87.

Budyko, V. A.—183/Del/87.

—C—

CJB Developments Limited.—181/Mas/87.

Cable Belt Ltd.—222/Mas/87.

Cassella Aktiengesellschaft—203/Mas/87.

Castolin, S. A.—168/Mas/87.

Catalytica Associates.—231/Mas/87.

Caterpillar Inc.—140/Mas/87, 141/Mas/87 & 159/Mas/87.

Cegedur Societe De Transformation De L' Aluminium Peshiney.—163/Cal/87 & 188/Cal/87.

Centro Sviluppo Materiali SpA.—209/Cal/87.

Chalapathi, G. V. (Dr.)—184/Mas/87.

Charles, E. G.—226/Mas/87.

Chatterjee, J. K.—207/Del/87.

Chitrao, V. S.—74/Bom/87.

Ciba-Geigy AG.—146/Mas/87 & 232/Mas/87.

Colgate-Palmolive Company.—187/Del/87, 188/Del/87, 189/Del/87, 190/Del/87, 191/Del/87, 192/Del/87 & 229/Del/87.

Comagnie Des. Services Dowell Schlumberger.—170/Mas/87 & 171/Mas/87.

Combustion Engineering, Inc.—168/Cal/87.

Cominco Ltd.—250/Del/87.

Council of Scientific and Industrial Research.—194/Del/87, 251/Del/87, 252/Del/87, 253/Del/87, 254/Del/87, 258/Del/87, 259/Del/87 & 260/Del/87.

—D—

Davy Mckee (Stockton) Limited.—156/Mas/87.

Degussa Aktiengesellschaft.—192/Cal/87, 193/Cal/87, 199/Cal/87, 213/Cal/87 & 224/Cal/87.

Deshmukh, S. R.—74/Bom/87.

Deshmukh, V. V.—86/Bom/87.

Name & Appln. No.

Deshpande, D. S.—108/Bom/87.

Dhar, A.—211/Cal/87.

Dholaria, K. R.—57/Bom/87, 106/Bom/87 & 110/Bom/87.

Didier-Werke Ag.—247/Cal/87.

Doss, K. S. G.—199/Mas/87.

Dow Chemical Company, The.—157/Mas/87, 158/Mas/87 & 165/Mas/87.

Du Pont Canada Inc.—223/Cal/87 & 255/Cal/87.

Dwivedi, P (Dr.)—246/Del/87 & 247/Del/87.

—E—

Eaton Corporation.—257/Cal/87 & 258/Cal/87.

Electricite De France.—238/Cal/87.

Ems-Inventa AG.—218/Cal/87.

Enichem Augusta S.P.A.—211/Mas/87.

Enighem Sintesi S.P.A.—233/Mas/87.

Eniricerche S.P.A.—211/Mas/87.

Erno Raumfahrttechnik Gmbh.—185/Del/87.

European Atomic Energy Community (EURATOM).—265/Del/87.

Eutectic Corporation.—204/Mas/87 & 205/Mas/87.

Exxon Chemical Patents Inc.—223/Del/87.

—F—

Flakt Akticbolag.—175/Mas/87.

Fosroc International Limited.—272/Del/87.

Frances B.—270/Del/87.

Franz Plasser Bahnbaumaschinen-Industriegesellschaft M.b.h.—254/Cal/87.

—254/Cal/87.

Freeman, C.S.—219/Cal/87.

Freeman, K. M.—219/Cal/87.

Furukawa Electric Company Limited, The.—164/Mas/87.

—G—

Gaikar, V. G. (Dr .)—71/Bom/87 & 72/Bom/87.

General Electric Company, P.U.C. The.—204/Del/87.

General Food Corporation.—178/Del/87.

Georg Fischer Aktiengesellschaft.—167/Cal/87 & 187/Cal/87.

Ghosh, B. B. (Dr.)—211/Cal/87.

Ghosh, P. K.—173/Cal/87.

Gillettee Company, The.—182/Del/87.

Gobain, I. S.—175/Cal/87.

Gokak, M.I.A.R.—97/Bom/87.

Gopal, R.P.H.—150/Mas/87.

Guillot R. B.—243/Del/87.

Gupta, J. P.—219/Del/87.

Gvalani, J. G.—56/Bom/87.

—H—

Habasit, AG.—267/Del/87.

Hall, R. M.—239/Del/87.

Haugesund Mek. Verksted A/S.—212/Cal/87.

Havel, K.—197/Mas/87.

Henkal Nommonditgesellschaft Aktain.—185/Mas/87.

Name & Appln. No.

He-Tseng S.—152/Mas/87.

Hindustan Lever Ltd.—66/Bom/87, 67/Bom/87, 87/Bom/87, 88/Bom/87, 89/Bom/87 & 91/Bom/87.

Hoechst Aktiengesellschaft.—192/Mas/87, 193/Mas/87, 219/Mas/87, 220/Mas/87, 221/Mas/87, 206/Cal/87, 207/Cal/87 & 256/Cal/87.

Hoechst India Ltd.—94/Bom/87.

Horsell Graphic Industries Ltd.—273/Del/87.

Hylsa, S.A.—183/Mas/87.

Hymmen, F. T.—180/Mas/87.

—I—

IEL Limited.—216/Cal/87.

I. S. C. Smelting Limited.—166/Mas/87.

Imperial Chemical Industries PLC.—225/Del/87, 226/Del/87 & 228/Del/87.

Imperial Smelting Processes Limited.—195/Mas/87 & 196/Mas/87.

Indian Institute of Technology.—200/Mas/87 & 236/Del/87.

Injectall Limited.—204/Cal/87.

Institute Francais Du Petrole.—224/Mas/87.

Ivanchenko, A. F.—183/Del/87.

—J—

Javari, I. B. (Miss)—101/Bom/87.

—K—

Kasar, V. A.—61/Bom/87.

Katti, R. K.—99/Bom/87.

Katz, S.—238/Del/87.

Kaushik, G.—107/Bom/87.

Kawasaki Jukogyo Kabushiki Kaisha.—243/Cal/87.

Keystone International, Inc.—233/Cal/87.

Khar, R. S.—116/Bom/87.

Khizhnyak, A. L.—183/Del/87.

Kin-Shen, H.—152/Mas/87.

Kinariwala, S. S.—58/Bom/87.

Klockner Cra Technologie GmbH.—171/Cal/87 & 172/Cal/87.

Kadadwalla, K. H.—105/Bom/87.

Kollmorgen Technologies Corporation.—227/Del/87.

Kone Elevator GmbH.—170/Cal/87 & 227/Mas/87.

Konovalenko, V. V.—183/Del/87.

Kraftwerk Union Aktiengesellschaft.—234/Cal/87.

Krishnaswamy, S. P.—177/Mas/87.

Krokhmal, V. M.—183/Del/87.

Kubota Ltd.—231/Del/87.

Kumar, D.—220/Del/87.

Kurimoto Limited.—76/Bom/87.

Kuttan, P. D.—112/Bom/87.

—L—

Laboratorie Central D Hydraulique De France.—264/Del/87.

Laboratories Flork, S. A .—225/Mas/87.

Lake Abel Pty. Ltd.—209/Del/87.

Lanxide Technology Company.—164/Cal/87.

Lastochkin, B. N.—183/Del/87.

Name & Application No.

Leningradskoe Vysshee Inzhenernos Morskoe Uchilische Imeni Admirals S. O. Makarova.—268/Del/87.

Lubrizol Corporation, The.—237/Del/87, 256/Del/87 & 269/Del/87.

Lucas Industries Public Limited Company.—145/Mas/87, 154/Mas/87 & 218/Del/87.

—M—

M. W. Kellogg Company, The.—240/Del/87.

MWB Messwandler-Bau Aktiengesellschaft.—208/Cal/87.

Mabuchi Motor Co. Ltd.—210/Del/87.

Madan, A. K.—214/Del/87.

Malaysian Rubber Producers' Research Association, The.—230/Del/87.

Mannesmann Aktiengesellschaft.—173/Mas/87.

Maschinenfabrik Rieter AG.—212/Mas/87.

Mediolanum Farmaceuti Srl.—235/Cal/87.

Meloy Laboratories Inc.—241/Cal/87.

Merek Patent Gesellschaft Mit Beschrankter Haftung.—217/Cal/87.

Merlin Gerin.—186/Mas/87 & 223/Mas/87.

Metal Box P.L.C.—182/Mas/87.

Metallgesellschaft Aktiengessellschaft.—228/Cal/87 & 248/Cal/87.

Microdot Inc.—174/Cal/87.

Milburn Research Corporation.—261/Del/87.

Mitsuboshi Belting Limited.—209/Mas/87.

Mitsui Toatsu Chemicals, Inc.—201/Cal/87.

Mittal, B. L.—205/Del/87 & 206/Del/87.

Montedison S.P.A.—231/Cal/87.

Morddeutsche Affinerie Aktiengesellschaft.—162/Cal/87.

Muthu, T. P.—167/Mas/87.

Mytton's Limited.—179/Cal/87.

—N—

N. V. Phillips Gloeilampenfabricken.—215/Cal/87.

Nagesh, K.—197/Mas/87 & 198/Mas/87.

Nagree, A.—90/Bom/87.

Nair, K. V. R.—77/Bom/87, 78/Bom/87, 79/Bom/87, 80/Bom/87, 81/Bom/87, 82/Bom/87 & 83/Bom/87.

Nair, M. A.—161/Mas/87.

Narakkat, J. O.—112/Bom/87.

National Council for Cement and Building Materials.—208/234/Del/87 & 235/Del/87.

National Research Development Corporation of India.—222/Del/87.

"Neyrpic".—238/Cal/87 & 239/Cal/87.

Niky Tasha India Private Limited.—215/Del/87.

Nirody, S. J.—55/Bom/87.

Norddeutsche Affineric Aktiengesellschaft.—162/Cal/87.

Nucell, Inc.—232/Cal/87.

—O—

OKI Electric Industry Co. Ltd.—158/Cal/87, 186/Cal/87 & 229/Cal/87.

Ogale, A. G.—63/Bom/87.

Olsen, F.—153/Mas/87.

Omni Graphics Pvt. Ltd.—113/Bom/87.

Otto India Private Limited.—236/Cal/87.

Name & Application No.

Owens Corning Fiber Glass Corporation.—244/Cal/87.

OY Nokia A B.—115/Bom/87.

—P—

PHB Weserhutte Aktiengesellschaft.—230/Cal/87.

Panchal,, D. L.—96/Bom/87.

Pandian, J. A. M.—201/Mas/87.

Parekh, H. V.—84/Bom/87.

Parekh, M. S. (Mrs.)—84/Bom/87.

Parekh, N. S. (Master)—84/Bom/87.

Parekh, N.V. (Mrs.).—84/Bom/87.

Parekh, P. J.—101/Bom/87.

Parekh, S. V.—84/Bom/87.

Parekh, V. V.—84/Bom/87.

Patel, P. J.—111/Bom/87.

Pendse, G. V.—98/Bom/87.

Pendse, S. G.—98/Bom/87.

Phillips Petroleum Company.—184/Cal/87 & 185/Cal/87.

Pont-A-Mousson S.A.—197/Del/87.

Projects & Development (India) Ltd.—245/Cal/87.

—R—

R. B. Chemicals.—160/Cal/87.

R. J. Reynolds Tobacco Company.—196/Cal/87 & 203/Cal/87.

Rachho Scientifiques and Rachho Pharmaceuticals & Chemicals Pvt. Ltd.—216/Del/87.

Rank Taylor Hobson Ltd.—147/Mas/87 & 148/Mas/87.

Rao, A. S.—229/Mas/87 & 230/Mas/87.

Rao, Y. M.—144/Mas/87.

Ratnaparkhi, P. K.—65/Bom/87.

Ravindranath, M. (Dr.)—184/Mas/87.

Reuter Laboratories Inc.—179/Mas/87.

Rhone-Poulenc Agrochimie.—271/Del/87.

Rhone-Poulene chinice.—216/Mas/87.

—S—

Sachdev, M.—255/Del/87.

Sachdev, R.—255/Del/87.

Safari Industries (India) Limited.—62/Bom/87.

Sanghani, S. K.—85/Bom/87.

Sannabhadti, L.—100/Bom/87.

Sanosil A G.—275/Del/87.

Sathyesh, M.—206/Mas/87.

Sayeed, S.—198/Cal/87.

Schafer, R. J.—159/Cal/87.

Schubert and Salzer Maschine-fabrik Aktiengesellschaft.—149/Mas/87.

Schwabe GmbH.—246/Cal/87.

Seibu Polymer Kasei Kabushiki Kaisha.—172/Mas/87.

Sekaran, S.—142/Mas/87 & 143/Mas/87.

Shah, J. C.—102/Bom/87.

Shah, V. C.—104/Bom/87.

Sharma, G. S.—242/Del/87.

Sharma, M.—70/Bom/87.

Sharma, M. (Prof).—71/Bom/87 & 72/Bom/87.

Name & Application No.

Sharma, S. (Smt).—70/Bom/87.

Shell Internationale Research Maatschappi, B. V.—186/Del/87, 191/Mas/87, 214/Mas/87 & 215/Mas/87.

Siemens Aktiengesellschaft.—195/Cal/87 & 225/Cal/87.

Sindhi, R.—214/Del/87.

Sinha, J. P.—182/Cal/87 & 183/Cal/87.

Societa' Cavi Pirellia S.p.A.—244/Del/87.

Societe Chimique Des Charbonnages.—211/Del/87.

Societe Chimique Des Charbonnages S. A.—211/Del/87 & 241/Del/87.

Societe D'Etudes De Machines Thermiques S.E.M.T.—213/Del/87.

Societe D' Exploitation De Brevets Pour L'Industrie Et La Marine Sebim.—212/Del/87.

Societe Generals Pour Les Techniques Nouvelles S.G.N.—217/Del/87.

Societe Nationals D'Etude Et De Construction De Moteurs D'Aviation "S.N.E.C.M.A."—198/Del/87.

South India Textile Research Association, The.—213/Mas/87.

Southern Petrochemical Industries Corporation Limited.—217/Mas/87.

Standard Oil Company, The.—274/Del/87.

Steelworth Pvt. Ltd.—189/Cal/87.

Stein Industries.—181/Del/87.

Stewart, J. M.—92/Bom/87.

Sudhakar, G.—184/Mas/87.

Sulzer Brothers Limited.—226/Cal/87 & 262/Del/87.

—T—

TLV Co., Ltd.—155/Cal/87.

Takeda Chemical Industries Ltd.—202/Mas/87.

Techcut Limited.—169/Mas/87.

Tideland Signal Corporation.—169/Cal/87.

Tiegs, D. V.—93/Bom/87.

Tiegs, R. G.—93/Bom/87.

Timex Corporation.—190/Cal/87 & 191/Cal/87.

Toray Industries.—224/Del/87.

Trade & Industry Private Limited.—250/Cal/87 & 251/Cal/87.

Tripathy, B. S.—211/Cal/87.

Trutzschler Gmbh & Co. Kg.—166/Cal/87, 177/Cal/87 & 178/Cal/87.

Tube Investments of Inid Limited.—218/Mas/87.

—U—

UOP Inc.—180/Del/87.

Unilever Plc.—210/Cal/87.

Universal Luggage Manufacturing Co. Ltd.—64/Bom/87.

Uponor, N. V.—190/Mas/87.

—V—

VEB Kombinat Feinmechanische Werke Halle.—156/Cal/87 & 157/Cal/87.

VSR Engineering GmbH.—181/Cal/87 & 202/Cal/87.

Vavrek, R. J.—92/Bom/87.

Veluswamy, K. J.—177/Mas/87.

Name & Application No.

Vernakar, G. D.—114/Bom/87.

Voest-Alpine Aktiengesellschaft.—240/Cal/87.

Voith Turbo BmbH. & Co. Kg.—242/Cal/87.

Volgo-Uralsky Nauchno-Issledovatelsky I Proektny Institut Po Dobyche I Pererabotka Serovodorod-Soderzhaschikh Gazov (Volgouralnipigaz).—214/Cal/87.

Vesesojuzny Nauchno-Issledovatelsky I Proektny Institut Aljuminievoi, Magnie-Voi E Elektrodnoi Promyshlennosti.—200/Cal/87.

—W—

W. Haking Enterprises Limited.—205/Cal/87.

WABCO.—163/Mas/87.

Waltap Limited.—237/Cal/87.

Werkzeugmaschinenfbrik Oerlikon-Buhrle AG.—201/Del/87, 202/Del/87 & 203/Del/87.

Westinghouse Brake & Signal Company Ltd.—184/Del/87 & 257/Del/87.

Westinghouse Electric Corporation.—161/Cal/87 & 180/Cal/87.

Wittke, C. A.—227/Cal/87.

Wolter, P.—178/Mas/87.

—X—

Xerox Corporation.—165/Cal/87.

—Z—

Zabrzanskie Gwarectwo Weglowe, Kopalnia Wegla Kamiennego "Zabrze-Bielszowice".—222/Cal/87.

Zardi, U.—176/Mas/87.

Zvolesnszky I.—155/Mas/87.

NAME INDEXES OF APPLICANTS FOR PATENTS FOR THE MONTH OF APRIL, 1987 (NOS. 259/CAL/87 TO 355/Cal/87, 234/MAS/87 TO 311/MAS/87, 277/DEL/87 TO 377/DEL/87 AND 117/BOM/87 TO 151/BOM/87

(2)

Name & Application No.

"A"

A. Ahlstrom Corporation.—305/Mas/87.

A.H. Roblns Company.— 310/Cal/87.

Adams, G.Y.—303/Mas/87.

Agarwal, S.R.—307/Cal/87.

Aktiebolaget Bofors.—287/Del/87.

Aluminium Pechiney.—311/Cal/87.

American Standard Inc.—237/Mas/87 & 290/Mas/87.

Anantharaman, S.—144/Bom/87.

Apple Computer, Inc.—291/Del/87.

Aristech Chemical Corporation.—320/Del/87.

Ashtikar, K.R.—133/Bom/87, 134/Bom/87, 135/Bom/87 & 136/Bom/87.

Associated Electronics Research Foundation.—354/Del/87.

Astra-Vent AB 321/Del/87.

Atlas Powder Company.—344/Del/87.

Atochem.—240/Mas/87.

Ausimont S.p.A.—332/Cal/87, 333/Cal/87 & 334/Cal/87.

Automatik Apparate-Maschinenbau GmbH.—312/Cal/87.

Name & Application No.

"B"

Babcock & Wilcox Company, The.—328/Del/87 & 330/Del/87.

Balcke-Durr Aktiengesellschaft.—308/Del/87.

Bali, R.S. (Dr.).—128/Bom/87.

Beloit Corporation.—260/Cal/87, 266/Cal/87, 267/Cal/87, 272/Cal/87, 283/Cal/87, 284/Cal/87 & 294/Cal/87.

Bergwerksverband GmbH.—288/Del/87.

Bhat, G. V.—245/Mas/87, 246/Mas/87, 250/Mas/87, 251/Mas/87 & 287/Mas/87.

Bhav, S.B.—130/Bom/87.

Bio Metric Systems Inc.—338/Cal/87.

Blagoveschensky Gosudarstvenny Meditsinsky Institut.—344/Cal/87.

Borden, Inc.—264/Cal/87.

Bowthorpe-Hellermann Limited.—353/Cal/87.

Brady, R.—307/Del/87.

Brahmi, C.—306/Cal/87.

Breval S.A.—314/Cal/87.

Brilcut Patentanstalt.—275/Mas/87.

British Petroleum Company, PLC, The.—332/Del/87.

British Steel Corporation.—274/Mas/87.

Brosnahan, J.W.—303/Mas/87.

"C"

Cantamessa C.F. S.P.A.—293/Mas/87.

Caoutchouc Manufactures Et Plastiques.—293/Del/87 & 351/Del/87.

Carrier Corporation.—304/Cal/87.

Carroll, N.—301/Cal/87 & 316/Cal/87.

Central Machine Tool Institute.—276/Mas/87, 279/Mas/87, 280/Mas/87 & 281/Mas/87.

Chakravarty, P. (Dr.).—315/Cal/87.

Champion Spark Plug Europe S.A.—337/Del/87.

Chang, Y.—340/Cal/87.

Chibba, N.K.—298/Cal/87.

Colt Industries Inc.—292/Cal/87.

Collins Motor Corpn, Ltd.—255/Mas/87.

Comprime, B.V.—272/Mas/87 & 273/Mas/87.

Contury Electric, Inc.—27?/Cal/87.

Council of Scientific & Industrial Research.—299/Del/87, 290/Del/87, 292/Del/87, 314/87, 315/Del/87, 316/Del/87, 317/Del/87, 325/Del/87, 326/Del/87 & 327/Del/Del.

"D"

Dr. Willmar Schwabe GmbH & Co.—323/Cal/87.

Desai, A.—122/Bom/87.

Desai, M.—122/Bom/87.

Deshpande, B.V.—151/Bom/87.

Dholaria, K.R.—124/Bom/87.

Distrigaz S.A.—277/Del/87.

Dixieland Jazz Industries, Inc.—235/Mas/87.

Dobson Park Industries PLO.—241/Mas/87.

Dolaria, K.R.—140/Bom/87.

Name & Application No.

Dory, J.—283/Del/87.

Dorrenberg Edelstahl GMBH.—253/Mas/87 & 254/Mas/87.

Dow Chemical Company, The.—257/Mas/87 & 258/Mas/87.

Dykkertekiik V/Fritz Valdemar Eilersen.—267/Mas/87.

"E"

E.I. Du Pont De Nemours and Company.—289/Cal/87, 290/Cal/87, 291/Cal/87, 302/Cal/87, 303/Cal/87, 319/Cal/87, 327/Cal/87 & 328/Cal/87.

Eastin, J.A.—346/Cal/87, 347/Cal/87, 348/Cal/87 & 349/Cal/87.

Enichem Base S.P.A.—289/Mas/87.

Enighen Elastomeri S.P.A.—283/Mas/87.

Essex Group.—276/Cal/87.

Etablisements Pierre Delamare Et. CIE.—353/Del/87.

Exploweld AB.—299/Del/87.

Exxon Research and Engineering Company.—300/Del/87 & 370/Del/87.

"F"

Farreel Bridge Limited.—347/Del/87.

Flame, J.M.—337/Del/87.

Fluid Technology (Aust) Limited.—288/Mas/87.

Foseco International Limited.—271/Mas/87.

Franz Plaseer Babnbaumaschinennindustriege Selkschaft, M.B.H.—278/Cal/87.

"G"

Garcia, J.O.—341/Cal/87.

General Mining Union Corporation Limited.—284/Mas/87.

General Foods Corporation.—294/Del/87 & 366/Del/87.

Geodia.—306/Del/87.

Glaverbel.—369/Del/87.

Goodyear Tire & Rubber Company, The.—283/Mas/87.

Gopinath, H.A.—144/Bom/87.

Gosudarstvenny Proektno-Konstruktorsky I Experimentanly Institut Po Obogatitelnomu Oborudo-vaniju "Gipromashobogaschenie".—368/Del/87.

Gujarat State Fertilizers Co. Ltd.—131/Bom/87.

Gupta, A.K.—323/Del/87.

Gupta, V.R.—139/Bom/87.

"H"

Henkel Kommanditgesellschaft Auf Aktien.—296/Mas/87.

Hercules Security Fabrications Limited.—266/Mas/87.

Hindustan Lever Ltd.—129/Bom/87.

Hitachi Ltd.—339/Cal/87.

Hoechst Aktiengesellschaft.—277/Mas/87.

Hoechst India Ltd.—125/Bom/87.

Hoerbiget Ventilwerke Aktiengesellschaft.—296/Cal/87.

Honda Giken Kogyo Kabushiki Kaisha.—236/Mas/87 & 307/Mas/87.

Hoyeck, R.H.—308/Cal/87.

"I"

IMI Titanium Ltd.—343/Del/87.

Iberomericana Del Embalaje S.A.—325/Cal/87.

Imperial Chemical Industries Plc.—282/Del/87, 301/Del/87 & 373/Del/87.

Institut Francais DW Petrole.—260/Mas/87.

Institut Problem Mekaniki Akademii Nank SSSR.—351/Cal/87.

Name & Application No.

Institut Problem Modelirovania V Energetike Akademii Nauk Ukrainskoi SSR.—321/Cal/87, 336/Cal/87 & 337/Cal/87.

International Paper Box Machine Co. Inc. The.—329/Del/87.

Iyengar, S. (Miss).—149/Bom/87.

"J"

Janus Bus, S.P.A.—356/Del/87 & 359/Del/87.

Johary, P.C.—339/Del/87.

Jorde J.E.—304/Mas/87.

Joshi, D.S.—142/Bom/87.

Joshi, S.P.—286/Mas/87.

"K"

Kabel-Und Metallwerke Gutehoffnungshutte Aktiengesellschaft.—354/Cal/87.

Kalanethi, A.—301/Mas/87.

Kanjibhai, K.D.—119/Bom/87 & 120/Bom/87.

Karm Home Appliances Private Limited.—355/Del/87.

Kelkon Rectifiers Limited.—242/Mas/87.

Kemp, R.—372/Del/87.

Khaitan (India) Ltd.—329/Cal/87.

Kirjavainen, K.—282/Cal/87.

Korde, U.—243/Mas/87 & 244/Mas/87.

Korf Engineering GmbH.—303/Del/87.

Kraftwerk Union Aktiengesellschaft.—279/Cal/87.

Korthaus, E. (Dipl-Ing.).—256/Mas/87.

Krone Aktiengesellschaft.—299/Cal/87.

"L"

Laboratories Del DR. Esteve, SA.—305/Del/87.

Larsen & Toubro Ltd.—121/Bom/87.

Leroy, A.—337/Del/87.

Lewis, A.C.—285/Cal/87.

Linde Aktiengesellschaft.—297/Mas/87.

Lindknud Plast A/s.—292/Mas/87.

Lohia Machines Ltd.—340/Del/87.

Lubrizol Corporation The.—350/Cal/87, 295/Del/87 335/Del/87, 341/Del/87, 350/Del/87, 352/Del/87 & 357/Del/87.

"M"

M.K. Electric Ltd.—309/Mas/87, 310/Mas/87 & 311/Mas/87.

Mabuchi Motor Co. Ltd.—313/Del/87.

Manekaba, H.F.—138/Bom/87.

Meidensha, K.K.—274/Cal/87.

Melchior, J.F.—305/Cal/87.

Merlin Gerin.—285/Mas/87.

Methe, R.A.—118/Bom/87.

Michelin & CIE.—294/Mas/87 & 295/Mas/87.

Minnesota Mining and Manufacturing Company.—234/Mas/87 & 268/Mas/87.

Mitutoyo MFG. Co. Ltd.—263/Mas/87, 264/Mas/87 & 265/Mas/87.

Mobil Oil Corporation.—247/Mas/87.

Modern Balance Works.—296/Del/87, 297/Del/87 & 318/Del/87.

Moffett, F.S.(Jr.).—338/Del/87.

Moghe, M.K.—141/Bom/87.

Name & Application No.

Molecular Diagnostics, Inc.—364/Del/87.

Mukherjee, P.K.—335/Cal/87.

Mullick, A.—355/Cal/87.

Muralidharan, S.J.—308/Mas/87.

"N"

NEA Technologies, Inc.—252/Mas/87.

N.V. Bekaert S.A.—302/Del/87.

Nachf, W.F.C.F.D. (Dr.).—265/Cal/87.

Narang, R.—307/Cal/87.

Nauchno-Issledvotelsky Institut Teknologii Avtomobilnoi Promyshlennosti (Niitartoprom).—322/Cal/87.

Nauchno-Proizvodstvennce Obiedinenie Po Teknologii Mashinostronia.—269/Cal/87.

Network Satellite 269/Mas/87.

Paging Partners Ltd.—270/Mas/87.

Norcia, J.S.—307/Del/87.

Norton Company.—324/Cal/87.

Novo Industri A/s.—282/Mas/87.

"O"

Oy, N.—352/Cal/87.

Oy, Partek AB.—300/Mas/87.

Opti Patent, Forschunge-Und Fabrikations AG.—261/Cal/87

Organ-Faser Technology Company N.V.—248/Mas/87 & 249/Mas/87.

Orissa Renewable 297/Cal/87.
Energy Development Agency.—297/Cal/87 & 298/Cal/87.

Owens-Illinois, Inc.—238/Mas/87 & 239/Mas/87.

"P"

Phb weserhutte Aktiengesellschaft.—280/Cal/87.

Palkiwala, J.P.—284/Del/87.

Panelbrick Industries Pty. Ltd.—320/Cal/87.

Parhate, S.B.—148/Bom/87.

Patel, R.P.—132/Bom/87.

Patel, S.D.—147/Bom/87.

Patil, A.K.—117/Bom/87.

Paul, T. (Mrs.).—318/Cal/87.

Pennwalt Corporation.—273/Cal/87.

Pfizer Limited.—281/Del/87 & 377/Del/87.

Philadelphia Gear Corporation.—295/Cal/87.

Piaggio & C.S.P.A.—322/Del/87.

Pilecon Engineering Berhad.—367/Del/87.

Premier Irrigation Equipment Limited.—268/Del/87 & 269/Cal/87.

Premier Irrigation Equipment Limited.—268/Cal/87 & 269/Cal/87.

Projects & Development (India) Ltd.—262|Cal|87, 263|Cal|87, 270/Cal/87, 271|Cal|87, 342|Cal|87, 343|Cal|87 & 345|Cal|87.

Pujar, R.D.—150/Bom/87.

"R"

RXS Schrumpftechnik-Garnituren Gmbh.—300/Cal/87.

Rajasekar, R.—144/Bom/87.

Richter Gedeon Vegyeszeti Gyar Rt.—326/Cal87.

Rosemount Inc.—278/Mas/87.

Name & Application No.

"S"

Sangamo Weston, Inc.—319/Del/87.
Santrade Limited.—299/Cal/87.
Saramane Pty. Ltd.—317/Cal/87.
Saraswat, M.K.—281/Cal/87.
Sasi, M.M.—123/Bom/87.
Scitech Centre.—145/Bom/87 & 146/Bom/87.
Secretary of State for Trade and Industry in her Britannic Majesty's Government of the United Kingdom, The.—345/Del/87.
Seshadri, K.—286/Mas/87.
Shah, A.—122/Bom/87.
Shah, S.M.—137/Bom/87.
Sharma, S.C.—339/Del/87.
Shell Internationale Research Matschappij,B.V.—365/Del/87.
Shriram Institute for Industrial Research.—362/Del/87, 363/Del/87 & 376/Del/87.
Siemens.—275/Cal/87.
Aktiengesellschaft.—313/Cal/87.
Sil, B.—293/Cal/87.
Singh, M.—333/Del/87.
Societe Europeenne De Propulsion.—349/Del/87.
Societe Nationale D'Etude Et De Construction De.—311/Del/87.
Moteures D'Avistion "S.N.E.C.M.A.".—312/Del/87.
Soletanche.—374/Del/87.
Stamicarbon B.V.—302/Mas/87 & 306/Mas/87.
Stanadyne, Inc.—336/Del/87.
Sulzer Brothers Limited.—286/Cal/87.

"T"

Tatsuo INA.—278/Del/87.
Tea Research Association.—309/Cal/87.

Name & Application No.

Temkar, D.R.—143/Bom/87.
Thermo-Solar Energistechnik, GmbH.—280/Del/87.
Trotignon Jean-Pierre.—261/Mas/87.
Trutschler GMBH & Co.—331/Cal/87.

"U"

UOP Inc.—285|Del|87, 309|Del|87, 310|Del|87, 334|Del|87, 361|Del|87 & 375|Del|87.
Union Carbide Corporation.—358/Del/87 & 371/Del/87.
Uniroyal Chemical Company, Inc.—304/Del/87.
United Technologies Corporation—330/Cal/87

"V"

Veg-Gasinstituut, N.V.—272/Mas/87 & 278/Mas/87.
Venkataramani, N.—262/Mas/87.
Verghes, M.—291/Mas/87.
Viradan, A/S.—360/Del/87.
Voest-Alpine Aktiengesellschaft.—303/Del/87.
Vsesojuzny Nauchno-Issledovatelsky Institut Komplexnogo Ispolzovanis Molochnogo Syrya.—351/Cal/87.

"W"

W.R. Grace & Co. 279/Del/87 & 346/Del/87.
Welchandngar Industries Ltd.—126/Bom/87 & 127/Bom/87.
Westinghouse Brake and Signal Company Limited.—331/Del/87, 342|Del|87 & 348|Del|87.
Westinghouse Electric Corporation.—287/Cal/87 & 288/Cal/87.
Whirlpool Corporation.—286/Del/87.

"Z"

Zellweger Uster Limited.—259/Mas/87 & 298/Mas/87.

R. A. ACHARYA,
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